

FIVE-YEAR STATUS AND EFFECTIVENESS EVALUATION REPORT

JANUARY 2009 TO DECEMBER 2013

FORMER TRW MICROWAVE FACILITY 825 STEWART DRIVE SUNNYVALE, CALIFORNIA

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Prepared by:

AECOM 999 W. Town and Country Road Orange, CA 92868-4713

> Rick Cramer, P.G. Project Director

4/30/14 No. 4337

2/28/14

and

Rebecca Mora

Senior Engineer/Project Manager

CONTENTS

| 1.0 | INTR | ODUCTION | 1 |
|-----|------------|---|----|
| | 1.1 1.2 | ObjectivesReport Organization | |
| 2.0 | BAC | KGROUND | 2 |
| | 2.1 | Site Location | 2 |
| | 2.2 | Operational History | |
| | 2.3 | Geology and Hydrogeology | |
| | | 2.3.1 Regional Geology and Hydrogeology | |
| | | 2.3.2 Site Geology and Hydrogeology | |
| | 0.4 | 2.3.3 Groundwater Movement | |
| | 2.4 | Regulatory History | |
| | 2.5 | Potential Receptors | 12 |
| 3.0 | SUM | MARY OF REMEDIATION ACTIVITIES PRIOR TO JANUARY 2009 | 13 |
| | 3.1 | Continued Groundwater Monitoring Program | 13 |
| | | 3.1.1 Groundwater Elevations | |
| | | 3.1.2 Site Groundwater Analytical Results | |
| | 3.2 | Source Removal | |
| | 3.3 | Operation of Soil Vapor Extraction System | |
| | 3.4 | Operation of Groundwater Extraction and Treatment System | |
| | 3.5 | Enhanced Anaerobic Bioremediation | |
| | 3.6 | Indoor Air Quality | |
| 4.0 | | MARY OF REMEDIATION ACTIVITIES SINCE JANUARY 2009 | |
| | 4.1 | Continued Suspension of Groundwater Extraction and Treatment System | |
| | 4.2 | Continued Groundwater Monitoring Program | |
| | | 4.2.1 Well Installation | |
| | | 4.2.2 Groundwater Elevations | |
| | | 4.2.3 Site Groundwater Analytical Results | |
| | | 4.2.3.1 Site Zone A and Zone B1 Upgradient Wells | |
| | | 4.2.3.2 Site Zone A and Zone B1 Pointer Source Area Wells | |
| | | 4.2.3.4 Site Zone B2 Wells | |
| | 4.3 | Continued Enhanced Anaerobic Biodegradation Program | |
| | 1.0 | 4.3.1 Source Area Activities | |
| | | 4.3.2 Downgradient Area Activities | |
| | | 4.3.3 EAB Monitoring Results | |
| | 4.4 | Expanded Source Area Investigation | 33 |
| | 4.5 | Indoor Air Quality | |
| 5.0 | REM | EDIATION EFFECTIVENESS EVALUATION | 34 |
| | 5.1 | Effectiveness of Groundwater Extraction and Treatment | |
| | 5.2 | Effectiveness of Enhanced Anaerobic Bioremediation Program | |
| 6.0 | | | |
| 0.0 | CON | CLUSIONS AND RECOMMENDATIONS | 40 |

FIGURES

| 4 | 0:4- | |
|---|------|----------|
| 1 | Site | Location |
| | | |

- 2 Site Vicinity Map
- 3 Site Layout
- 4 Geologic Cross-Section A to A'
- 5 Geologic Cross-Section B to B'
- 6 Geologic Cross-Section C to C'
- 7 Potentiometric Surface Contours, Zone A October 2013
- 8 Potentiometric Surface Contours, Zone B1 October 2013
- 9 Potentiometric Surface Contours, Zone B2 October 2013
- 10 Water-Level Elevations vs. Time Wells T-1A, T-1B, T-7A, T-7B, T-8A, T-8B, T-2C, and T-11C
- 11 TCE Concentrations vs. Time Wells T-2A, T-7A, T-8A, T-9A, T-13A, T-15A, and T-16A
- 12 cDCE Concentrations vs. Time Wells T-2A, T-7A, T-8A, T-9A, T-13A, T-15A, and T-16A
- 13 TCE Concentrations vs. Time Wells T-2B, T-4B, T-7B, T-8B, T-9B, T-10B, and T-17B
- 14 cDCE Concentrations vs. Time Wells T-2B, T-4B, T-7B, T-8B, T-9B, T-10B, and T-17B
- 15 TCE Concentrations vs. Time Wells T-2C, T-9C, T-10C, T-11C, and T-12C
- 16 Remedial Activities Performed Prior to 2009
- 17 Previous Indoor Air Sampling Locations
- 18 Chlorinated Ethene Concentrations, Zone A October 2013
- 19 Chlorinated Ethene Concentrations, Zone B1 October 2013
- 20 Remedial Activities Performed from January 2009 through December 2013
- 21 Injection Locations for November 2011 Enhanced Anaerobic Bioremediation Activities
- 22 MIP and Continuous Core Locations
- 23 Sub-Slab Vapor and Air Sampling Locations
- 24 Dehalococcoides (Dhc) Type Microbe Concentrations vs. Time Wells Eductor, T-8A, T-13A, and T-15A

APPENDICES

| Appendix A | Well Completion and Sampling Information |
|------------|--|
| Appendix B | Historic Water Level Elevation Measurements |
| Appendix C | Historic Groundwater VOC Analytical Results |
| Appendix D | Chlorinated Ethene Concentration Trend Plots for Selected Wells |
| Appendix E | Chlorinated Ethene Molar Concentration Trend Plots for EAB Wells |
| Appendix F | Summary of TCE Mass Removal from Soil Vapor Extraction System |
| Appendix G | Summary of TCE Mass Removal from Groundwater Extraction System |
| Appendix H | Summary of EAB Performance Monitoring Analytical Data |
| Appendix I | Selected Potentiometric Contour Figures |
| Appendix J | Summary of VOC Concentrations in Previous Indoor Air Sampling |
| Appendix K | Photographs of Injection Activities |
| | K.1 Source Area EAB Injection |
| | K.2 Downgradient EAB Injection |

1.0 INTRODUCTION

On behalf of Northrop Grumman, AECOM has prepared this Five-Year Status and Effectiveness Evaluation Report for the former TRW Microwave Operable Unit (OU) (the "site") located at 825 Stewart Drive in Sunnyvale, California. This Five-Year Report is submitted to the California Regional Water Quality Control Board – San Francisco Bay Region (Water Board). Five-Year Reports for the Site are prepared pursuant to the June 1991 Site Cleanup Requirements (SCRs) (e.g., California Maximum Contaminant Levels [MCLs] or notification levels, federal MCLs, or risk-based levels, as adopted in Water Board Order No. 91-103 (Water Board, 1991). Five-Year Reports are required because the SCRs have not yet been attained. The purpose of Five-Year Reports is to ensure that the Site remediation action remains protective of public health and the environment, and is functioning as intended. The remediation action for the Site was identified in Water Board Order No. 91-103 and in the September 1991 Record of Decision (ROD) issued by the United States Environmental Protection Agency (USEPA, 1991).

The first Five-Year Report was prepared by Weiss Associates (WA) in June 1996 (WA, 1996a) and was subsequently approved by the Water Board. The second Five-Year Report was prepared by Camp Dresser & McKee (CDM) in September 2001 (CDM, 2001a) and was subsequently approved by the Water Board (Water Board, 2001a). In 2004, the USEPA and Water Board synchronized the Water Board's and the USEPA's five-year review schedule. Consequently, the third Five-Year Report to the Water Board, prepared in May 2009, covered the period from May 2004 through December 2008 (CDM, 2009a).

1.1 Objectives

This fourth Five-Year Report summarizes site activities during the five-year review period from January 2009 through December 2013. The objectives of this Five-Year Report are:

- Document activities conducted during the five-year review period,
- Present current site conditions,
- Assess plume containment and chemical concentration trends,
- Evaluate the effectiveness of current remedial actions to achieve SCRs, and
- Recommend measures to achieve SCRs.

1.2 Report Organization

This Five-Year Report consists of the following seven sections:

- Section 1: Introduction provides the objectives of the report.
- Section 2: Background presents an overview of the site operational and regulatory history, and site geology and hydrogeology.
- Section 3: Summary of Remediation Activities Prior to January 2009 summarizes site remedial investigations and actions conducted prior to January 2009.

- Section 4: Summary of Remediation Activities Since January 2009 summarizes site remedial investigations and actions conducted over the last five years.
- Section 5: Remediation Effectiveness Evaluation assesses the effectiveness of the remedial actions over the last five years to improve site groundwater quality.
- Section 6: Conclusions and Recommendations presents the findings of the remedial actions conducted over last five years and recommends improvements to achieve SCRs.
- Section 7: References lists the documents cited in this Five-Year Report.

2.0 BACKGROUND

This section provides background information for the site including its location and description, historical use, and listing of important previous investigations conducted as a part of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process.

2.1 Site Location

The former TRW Microwave site is located at 825 Stewart Drive in Sunnyvale, California, about 50 miles southeast of San Francisco, California. A site location map showing the street location is presented on Figure 1, and a site vicinity map showing the aerial location of the TRW Microwave OU and surrounding areas is presented on Figure 2.

The TRW Microwave OU is surrounded by the following sites that are impacted by volatile organic compound (VOC) sites: Advanced Micro Devices (AMD) Buildings 901/902 Thompson Place and 915 DeGuine Drive; Philips Semiconductors (Philips; formerly Signetics Inc.) Buildings 811 Arques, 815 Stewart Drive, and 440 Wolfe Road; and Mohawk Laboratories. Three of these facilities (AMD 901/902, Philips 811, and Mohawk Laboratories) are located hydraulically upgradient (south) of the TRW Microwave OU; two facilities (Philips 815 and 440) are located approximately cross-gradient (west) of the site, and one facility (AMD Building 915) is located downgradient (north) of the site. These surrounding sites have historically used trichloroethene (TCE) and other chlorinated VOCs in their manufacturing processes and have released these VOCs to groundwater. AMD, Northrop Grumman, and Philips (the Three Companies) share responsibility for the management and remediation of the commingled groundwater plume, defined as the Three Companies Offsite Operable Unit (OOU).

2.2 Operational History

Prior to 1968, the site was not used for industrial activities. From 1968 to 1974, Aertech Industries (Aertech) assembled and tested microwave and semiconductor components at the site. In 1974, TRW Inc. (TRW) acquired the site from Aertech and in 1987 FEI Microwave purchased it from TRW. FEI Microwave subsequently became Tech Facility 1, Inc. During these changes in site ownership, operations were continuous, with no significant process changes from 1968 to 1993. In 1993, FEI Microwave stopped

production, and in 1995 the site was acquired by Stewart Associates. The site was subsequently leased to Diablo Research Corporation, a contract research and development company. Diablo Research Corporation occupied the site until August 2000, when Cadence Inc. leased the site and continued research and development operations. Since January 2001, the site has been unoccupied (CDM 2009a).

Between 2001 and 2003, the site building exterior was remodeled. As part of this remodeling, a portion of the site building was demolished and a new structure, contiguous with the existing structure was constructed. Figure 3 presents the current site building layout.

In December 2002, TRW merged with Northrop Grumman. In 2004, the property was purchased by Pacific Landmark. During these changes in site ownership, TRW, and then Northrop Grumman, retained responsibility for site cleanup. During operations at the site between 1968 and 1993, TCE and other industrial solvents were used and hazardous wastes were generated as a byproduct of the operations. Waste solvent composed mainly of TCE was stored in an underground storage tank (UST) from 1970 through 1982. The tank was removed in early 1983. Figure 3 presents the location of the former UST. An inground three-stage ammonia gas acid neutralization system (ANS) operated from 1968 to 1984 after which it was disconnected, removed, and replaced by an aboveground system with secondary containment. The aboveground ANS was disconnected and removed in 2001, during remodeling of the site building (CDM, 2009a).

2.3 Geology and Hydrogeology

2.3.1 Regional Geology and Hydrogeology

The site is located in the Santa Clara Valley, a structural basin bounded by the Santa Cruz Mountains to the south and west and San Francisco Bay to the north. The basin is filled with Quaternary-age alluvial sediments that were derived from the Santa Cruz Mountains and deposited along northward-trending ancestral streams enroute to the San Francisco Bay. The depositional environment was characterized by meandering and braided stream systems that created sequences of coarse-grained sand and gravel units interbedded with fine-grained clay and silt deposited during fluctuations in the ancestral San Francisco Bay (CDM 2000a).

Regionally, the alluvial sediments in the site area have been divided into two broad hydrogeologic intervals or zones, referred to as the upper aquifer zone and the lower aquifer zone. These two zones are separated by an extensive clay and silt aquitard that generally occurs at depths beginning at about 100 feet below ground surface (bgs). Numerous coarse-grained sand and gravel units have been identified in the upper and lower aquifer zones, and these water-yielding zones have shown to roughly correlate throughout the area.

The upper aquifer zone consists of two water-yielding zones, designated as Zones A and B while the lower zone is designated Zone C. Zone A occurs within the interval from the water table to a depth of about 25 feet bgs. Zone B consists of five sub-zones (Zones B1

through B5) encountered at approximately 30 feet bgs to 100 feet bgs. Drinking water aquifers occur below 150 feet bgs in the lower aquifer zone or Zone C. Studies at the site have not been conducted below Zone B (CDM 2000a).

2.3.2 Site Geology and Hydrogeology

The site stratigraphy consists predominantly of clay and silty clay inter-bedded with coarser lenses of sands and gravels. Six water-yielding zones, Zone A and Zones B1 through B5, have been identified beneath the site or in the surrounding area. These zones consist of permeable sediments, ranging from silty sand to sand and gravel, and are vertically separated by laterally continuous lower permeability clay and silt intervals. Although the zones themselves are understood to be fairly continuous in the site area, the individual permeable lenses within the zones have been found to be highly discontinuous in nature. Onsite VOC impact has been shown to be present in Zones A, B1, and B2. Zones B3 and B4 have not been shown to contain VOCs beneath the site, indicating that the aquitard separating Zones B2 and B3 is continuous and sufficiently competent to prevent the vertical migration of VOCs. Geologic cross-sections of the site (A-A', B-B', and C-C') are shown on Figures 4 through 6; cross section line locations are shown on Figure 3.

2.3.3 Groundwater Movement

Regional groundwater movement for the three monitored zones beneath the site (A, B1, and B2) has historically been to the north or the north-northeast. However, groundwater extraction at off-site locations adjacent to the site has substantially influenced the groundwater movement, particularly in Zones B1 and B2 (CDM 2009a). Potentiometric surface contours generated for Zones A, B1, and B2 using the October 2013 water-level elevation data are presented on Figures 7, 8, and 9, respectively.

The ranges of hydraulic conductivities reported in previous reports (WA 1996b and CDM 2000c) for Zones A and B1/B2 are 356 to 400 feet per day and 25 to 150 feet per day, respectively. The ranges of groundwater flow velocities reported in previous reports (WA 1996b and CDM 2000a) for Zones A and B1/B2 are 15 to 22.5 feet per day and 1.25 to 7.5 feet per day, respectively.

Vertical hydraulic gradients are generally downward, as monitored in cluster wells screened in Zones A, B1, and B2 and are likely influenced by pumping at the adjacent sites (AECOM, 2014).

2.4 Regulatory History

As a result of responses to a Water Board questionnaire that was submitted in 1983 after the removal of the site UST, TRW initiated an investigation of potential impacts to soil and groundwater at the site (WA 1996a). Between 1983 and 1986, several subsurface investigations were conducted in the vicinity of the former UST, the ANS, and associated piping. The investigations identified VOCs as the only chemicals of concern (COCs) at the site and the former UST as the only source of VOC impact to site groundwater.

In 1984, based on the soil investigations to delineate the former site source area (the area around the former UST), TRW excavated additional soil that was not removed with the UST in 1983. The excavation was backfilled with gravel to serve as a pit for groundwater extraction. A vertical polyvinyl chloride (PVC) pipe was placed in the gravel backfilled pit, from the base of the pit to the surface, for groundwater extraction. The gravel backfilled pit is identified as the Eductor pit and the PVC pipe as the Eductor. Figure 3 presents the locations of the former site source area excavation (i.e., Eductor pit) and Eductor.

In June 1984, the Water Board issued a Cleanup and Abatement Order and in October 1985 adopted Waste Discharge Requirements (WDRs) for the site. The Cleanup and Abatement Order and the WDRs were formally adopted in Water Board Order No. 85-107. In support of these requirements (also in 1985), TRW installed a groundwater extraction and treatment (GWET) system to reduce VOC concentrations and prevent off-site migration through hydraulic control. Also in 1985, TRW implemented a full-scale groundwater monitoring program to assess the groundwater quality and the hydraulic control of the VOC groundwater plume at the site (WA 1996a). Figure 3 shows a site plan with all existing monitoring well locations.

In January 1988, the Water Board adopted its initial site SCRs for the site. A comprehensive soil investigation was conducted in 1988 to address remaining impacts at the identified source, the former UST. The Water Board issued revised SCRs and WDRs in April 1989 and September 1989, respectively. In February 1990, USEPA formally added the site to its National Priorities List.

In June 1991, the Water Board issued Water Board Order No. 91-103 and established the final SCRs for the site and rescinded the previous order (Water Board 1991). Water Board Order No. 91-103 approved the site subsurface investigation and feasibility study reports (Harding Lawson & Associates [HLA] 1991a and HLA 1991b) and adopted the original proposed plan. The proposed alternative in the feasibility study, and subsequently adopted by Water Board Order No. 91-103, was the then current GWET system. Also in 1991, the Water Board issued separate orders to several surrounding sites. These facilities included AMD Buildings 901/902 Thompson Place and 915 DeGuine Drive, and Philips Buildings 811 Arques, 815 Stewart Drive, and 440 Wolfe Road. Figure 2 presents the location of the AMD and Philips sites and the OOU in relationship to the site.

In September 1991, the USEPA issued a combined ROD (USEPA 1991) for the Superfund sites associated with the OOU: TRW 825, AMD 901/902, Philips 811, and Philips 440. In the ROD, USEPA identified GWET as the groundwater remedy for the individual sites and the OOU. The conclusions of the ROD for the site were consistent with Water Board Order No. 91-103.

In response to the ROD and Water Board Orders, AMD, Philips, and TRW installed GWET systems at their respective sites. In addition, the Three Companies collectively installed a hydraulic containment system for the impacted groundwater within the OOU. The OOU hydraulic containment system extracts groundwater from a set of wells downgradient of the individual Three Companies' sites. This system prevents migration of VOC-impacted

groundwater beyond (north of) Highway 101. The extracted water from the system is treated at the Philips on-site treatment system.

In July 1993, TRW installed a soil vapor extraction (SVE) system to remove VOCs in the vadose zone beneath the former site source area. The system operated until November 1996, when it was terminated due to low VOC concentrations in the unsaturated zone. In May 1997, the Bay Area Air Quality Management District (BAAQMD) approved elimination of the granular activated carbon vessels for the treatment of VOC vapors associated with the SVE system as long as the VOC concentrations were below emission limits (BAAQMD 1997).

Based on soil vapor sample results from the SVE points in September 1997 and July 1998 that indicated little rebound in VOC concentrations, TRW gave a presentation to the Water Board requesting the closure of the SVE system (CDM 1997 and CDM 1998). In August 1998, the Water Board concluded that no further soil remediation was necessary at the site and that the SVE system could be removed. In November 1998, the SVE system was removed and 12 of the 13 SVE points were destroyed. SVE point MP-1 was capped due to its location within the Eductor pit (CDM 1999a). In December 1998, the Water Board issued a letter stating that the SVE system had achieved the soil cleanup level (1 milligram per kilogram [mg/kg] total VOCs) and no further action was required in the vadose zone (Water Board 1998). MP-1 was subsequently removed in 2002 during remodeling of the site building exterior.

In April 1999, TRW presented its disagreement with Philip's interpretation of the TCE concentration contours for Zone B1 near and downgradient of TRW extraction well T-9B (CDM 1999b). In May 2000, TRW requested the Water Board to grant permission to shut down groundwater extraction at wells T-9B and T-2C because VOC concentration data indicated that pumping from these two wells was competing/interfering with Philip's capture of the VOCs in Zones B1 and B2 (CDM 2000b). In November 2000, the Water Board approved shutdown of groundwater extraction at well T-2C for one year and directed TRW to monitor it quarterly for VOCs to allow assessment of whether pumping should resume. In February 2004, based on evidence of continued improvements to groundwater quality, the Water Board approved permanent shut down of extraction at well T-2C (CDM 2003 and Water Board 2004).

The Water Board initially did not grant approval to terminate pumping at well T-9B over concern for VOCs migrating to the downgradient property (Water Board 2000). In April 2001, groundwater extraction was discontinued from well T-9B (along with well T-9A) to allow for site redevelopment activities (Water Board, 2001c). Subsequently, approval from the Water Board was received for the continued suspension of groundwater extraction based on changes in VOC concentrations after suspension (CDM 2001b and Water Board 2001a).

In July 1999, at TRW's request, the Water Board approved revising the site groundwater sampling plan and reporting schedule from semiannual groundwater sampling in April and October to annual sampling in October (CDM 1999c and Water Board 1999). In October 1999, TRW initiated an evaluation of natural attenuation and chemical oxidation as

remediation alternatives that could effectively shorten the timeframe necessary to achieve SCRs and a "no further action status" for the site (CDM 1999d). In March 2000, CDM's report on the evaluation of natural attenuation and chemical oxidation recommended that enhanced anaerobic bioremediation (EAB) be implemented for Zone B1. In August 2000, TRW submitted a work plan to implement EAB in Zone B1 at the former site source area (CDM, 2000c).

In October 2000, after verbal approval from the Water Board, TRW implemented EAB by injecting an organic substrate (Regenesis' Hydrogen Release Compound™ [HRC] product) into Zone B1. Although not intended, due to the injection method and hydraulic communication between Zone A and Zone B1 near the source area, a small portion of the HRC product was also injected into Zone A. Extraction from Zone B1 wells within the EAB application area (T-2B and T-8B) was shut down for the period of the application so as to allow proper distribution of the substrate and avoid interference with the fate and transport of the substrate. During this time, at the request of the Water Board, TRW installed monitoring well T-10B at the site to monitor the concentration of VOCs between wells T-8B and T-9B.

In March 2001, due to redevelopment activities at the site, the Water Board approved relocation of the groundwater treatment system to the northwest corner of the site. Figure 3 presents where the GWET system was located at the site. During relocation, no pumping of groundwater occurred from any site wells (CDM 2001b and Water Board 2001a).

In April 2001, based on the periodic monitoring of Zone A wells within the EAB application area, TRW determined that the limited amount of the HRC that was injected into Zone A had changed conditions in Zone A to support EAB. TRW submitted an addendum to the EAB Work Plan to inject HRC into Zone A and the Water Board approved the addendum (CDM 2001c and Water Board 2001b). In June 2001, TRW injected HRC into Zone A. Extraction from Zone A points within the injection area (Eductor, T-2A and T-8A) was shut down for the period of the injection so as to allow proper distribution of the substrate and avoid interference with the fate and transport of the substrate.

In September 2001, TRW submitted the second Five-Year Report for the site, in accordance with Water Board Order No. 91-103 (CDM 2001c). Based on evidence of improved water quality at the site, the report recommended continued cessation of groundwater extraction. The Water Board approved the report and its recommendations (Water Board 2001a).

In February 2003, based on evidence of continued improvements to groundwater quality, the Water Board approved continued cessation of groundwater extraction for an additional year (Water Board 2003). In December 2003, Northrop Grumman submitted a letter to the Water Board, which presented the results of groundwater monitoring, an evaluation of the effectiveness of the EAB application, and a response to the Water Board's comments made in February 2003 (CDM 2003 and Water Board 2003).

In October 2003, Northrop Grumman collected indoor air samples from the interior of the site building in order to assess the impact of the groundwater plume on the indoor air

quality at the site. In January 2004, the results from this indoor air sampling event were presented to the Water Board in the report titled, *Evaluation of Indoor Air Sampling Results for the Former TRW Microwave Facility in Sunnyvale, California* (CDM 2004a).

In February 2004, based on evidence of continued improvements to groundwater quality, the Water Board approved continued cessation of groundwater extraction for an additional two years, through January 2006, for the Zone A and Zone B1 wells (CDM 2003 and Water Board 2004a). Also, subsequent to Water Board approval, Northrop Grumman abandoned monitoring wells T1-A and T-1B in accordance with Santa Clara Valley Water District (SCVWD) requirements (CDM 2004b and Water Board 2004a).

Indoor air samples were collected again on 5 April 2004 under typical conditions and again on 8 April 2004 under temporary mechanical ventilation to evaluate if air cycling would mitigate vapor concentrations below threshold levels. The success of the air cycling in mitigating indoor air concentrations to below threshold levels was documented in the *Report of Findings – Installation and Operation of a Temporary Mechanical Ventilation System and Indoor Air Sampling Report* (CDM 2004c). The Water Board requested an additional round of indoor air sampling without mechanical ventilation which was performed on 4 October 2004 Based on the results of this sampling, the Water Board recommended that and additional round of sampling be performed before the building is occupied.

In April 2005, Northrop Grumman submitted a preliminary draft of the Risk Management Plan (RMP) to the Water Board (CDM 2005a), which is required to be updated once a ventilation system is installed and the building is occupied.

In July 2006, the Water Board issued a letter to USEPA in which they concurred with the conclusions of the Revised Proposed Plan and recommended that USEPA change the groundwater remedy for the site from GWET to in situ bioremediation (Northrop Grumman 2006).

In September 2009, TRW submitted the third Five-Year Report for the site, in accordance with Water Board Order No. 91-103 (CDM 2009a). Based on evidence of improved water quality at the site, the report recommended continued cessation of groundwater extraction and implementation of EAB.

Also in September 2009, Northrop Grumman submitted updated revised proposed plan for the USEPA (CDM 2009b). This proposed plan updated the original revised proposed plan submitted in April 2006 (CDM 2006). The objective of this updated revised proposed plan was to change the groundwater remedy at the site to in situ bioremediation with monitored enhanced natural attenuation (MENA).

In November 2010, the Water Board required the preparation of a Focused Feasibility Study (Water Board 2010a). The document was prepared by AECOM and submitted to the Water Board, but has not yet been finalized.

In December 2012, the Water Board issued a Letter of Requirement for a Vapor Intrusion (VI) Sampling and Analysis Work Plan and Report (Water Board 2012) which documented

required elements to be included in an additional VI investigation. The work plan was approved by the Water Board on 30 October 2013 and sampling was performed in December 2013.

A chronology of major events associated with site subsurface investigations and actions since March 2004 is presented below:

| Date | Event |
|-------------------|---|
| March 2004 | Northrop Grumman submitted a work plan to install and operate a temporary mechanical ventilation system prior to collecting additional indoor air samples within the site building (CDM 2004d). |
| April 2004 | Subsequent to Water Board approval (Water Board 2004c), CDM installed and operated a temporary mechanical ventilation system within the site building and collected indoor air samples in order to determine the effectiveness of ventilation on reducing concentrations of VOCs to acceptable levels. |
| May 2004 | Northrop Grumman submitted the Report of Findings – Installation and Operation of a Temporary Mechanical Ventilation System and Indoor Air Sampling report to the Water Board. In this report, CDM concluded that the rate of vapor intrusion into the site building appeared to be low enough to be mitigated solely with operation of a standard ventilation system (CDM 2004c). |
| June 2004 | Northrop Grumman submitted evidence to the Water Board regarding re-designation of site well 36D as a Zone A well rather than a Zone B1 well (CDM 2004e). |
| July 2004 | Water Board requested that "if the site building is not occupied by October 2004, another round of indoor air samples be collected without mechanical ventilation to determine if improvements in groundwater quality reduced vapor intrusion to a level that does not require further monitoring" (Water Board 2004d). |
| August 2004 | Water Board approved the re-designation of site well 36D as a Zone A well rather than a Zone B1 well (Water Board 2004e). |
| September 2004 | In response to the Water Board request, Northrop Grumman submitted a work plan to conduct an additional round of indoor air sampling without mechanical ventilation (CDM 2004f). As part of its Multi-site Cooperative Agreement (MSCA) with USEPA, the Water Board submitted Five-Year CERCLA Review report to USEPA and recommended that Northrop evaluate the feasibility of expanding EAB into the area where VOC concentrations still exceeded SCRs, and consider implementing in situ bioremediation as the final remedy for the site. The Water Board noted that the ROD (USEPA 1991) would need to be amended, if there is a permanent change in remedy from GWET to in situ bioremediation (Water Board 2004b). The USEPA approved the report the same month (USEPA 2004). |

| Date | Event | |
|-------------------|--|--|
| October 2004 | Subsequent to Water Board approval of the work plan (Water Board 2004f), Northrop Grumman conducted another round of indoor air sampling without a mechanical ventilation system in operation. | |
| November 2004 | Northrop Grumman submitted the Report of Findings – October 2004 Indoor Air Sampling report to the Water Board. In this report, CDM concluded that mitigation of indoor VOC concentrations to below threshold levels could be achieved with operation of a standard ventilation system (CDM 2004g). | |
| December 2004 | Water Board approved the October 2004 Indoor Air Sampling Report (Water Board 2004g). The Water Board recommended that adequate ventilation be maintained in the site building in order to minimize risk to the health of building occupants and requested an additional round of indoor air samples be collected from the building before it is reoccupied. The Water Board also requested that Northrop Grumman prepare a RMP that would guide the future management of human health risks associated with occupancy of the site, with particular emphasis on the vapor intrusion issue (Water Board 2004g). | |
| February 2005 | The effectiveness monitoring showed that the EAB application increased the rate of chlorinated VOC biodegradation occurring within the former site source area and also accelerated VOC attenuation rates across the downgradient portions of the site. | |
| April 2005 | Northrop Grumman submitted a preliminary draft RMP to the Water Board (CDM 2005a) that is to be finalized after installatio of a permanent ventilation system and the intended use of building is identified by property owner. | |
| August 2005 | Pursuant to the Water Board's recommendations in the 2004 MSCA review, and subsequent to Water Board approval, the EAB pilot program was expanded to include groundwater immediately downgradient of the former site source area (around wells T-8A, T-8B, and T-10B) (CDM 2005b and Water Board 2005). | |
| September 2005 | As part of the EAB expansion, four additional Zone A wells, T-13A, T-14A, T-15A, and T-16A, and one additional Zone B1 well T-17B, were installed at the site (Northrop Grumman 2006). | |
| April 2006 | Pursuant to the Water Board's recommendations in the 2004 MSCA review, Northrop Grumman submitted the Revised Proposed Plan (CDM 2006) to the USEPA to change the groundwater remedy from GWET to in situ bioremediation. | |
| July 2006 | Water Board issued a letter to USEPA in which they concurred with conclusions of the Revised Proposed Plan and recommended to USEPA to change the groundwater remedy for the site from GWET to in situ bioremediation (Water Board 2006). | |

| Date | Event |
|-------------------|---|
| January 2007 | EAB performance monitoring showed that EAB continued to improve the groundwater quality and enhance VOC degradation in and around the former site source area; however, VOC degradation had slowed at downgradient portions of the plume due to competing electron acceptors (Northrop Grumman 2007). |
| June 2007 | Northrop Grumman submitted a work plan for additional Zone A EAB remediation activities, which proposed to conduct four quarterly cheese whey injections in the expanded portion of Zone A aquifer downgradient of the former site source area (CDM 2007). |
| August 2007 | Subsequent to Water Board approval (Water Board 2007), CDM installed seven injection wells (T-18A to T-24A) and one monitoring well (T-25A) as part of the downgradient Zone A EAB treatment area. |
| September 2007 | Tamalpais Environmental Consultants (TEC), under CDM's oversight, performed the first of four quarterly cheese whey injection events into wells T-13A, T-14A, and T-18A through T-24A (Northrop Grumman 2008). |
| November 2007 | CDM performed a one-time bioaugmentation event into wells T-13A, T-14A, and T-18A through T-24A, using groundwater from the Eductor (Northrop Grumman 2008). |
| December 2007 | TEC, under CDM's oversight, performed the second of four quarterly cheese whey injection events into wells T-13A, T-14A, and T-18A through T-24A (Northrop Grumman 2008). |
| March 2008 | TEC, under CDM's oversight, performed the third of four quarterly cheese whey injection events into wells T-13A, T-14A, and T-18A through T-24A. |
| June 2008 | TEC, under CDM's oversight, performed the final of four quarterly cheese whey injection events into wells T-13A, T-14A, and T-18A through T-24A. |
| May 2009 | Northrop Grumman submitted the third and most recent Five- Year Status and Effectiveness Evaluation Report (Five-Year Report) to the Water Board for the review period from May 2004 through December 2008 (CDM 2009a). |
| September 2009 | The Water Board submitted the third Five-Year CERCLA Review report to the USEPA (Water Board 2009). |
| September 2009 | Northrop Grumman submitted updated revised proposed plan for the USEPA (CDM 2009b). This proposed plan updated the original revised proposed plan submitted in April 2006 (CDM 2006). The objective of this updated revised proposed plan was to change the groundwater remedy at the site to in situ bioremediation with MENA. |
| January 2010 | EAB performance monitoring showed significant depletion of electron donor (cheese whey) and initial rebound of competing electron acceptors in the expanded EAB treatment area (AECOM 2010a). |

| Date | Event |
|---------------|---|
| October 2010 | AECOM submitted a work plan for additional Zone A EAB remedial activities, which proposed to conduct one emulsified vegetable oil injection and one neat vegetable oil injection in the former site source area excavation (AECOM 2010b). |
| October 2010 | The Water Board approved the work plan (AECOM 2010b) to conduct additional EAB activities at the site (Water Board 2010). |
| October 2010 | AECOM injected emulsified vegetable oil into the Eductor, located in Zone A within the former site source area excavation. |
| November 2010 | Vironex, under AECOM oversight, injected neat vegetable oil into the Eductor, located in Zone A within the former site source area excavation (AECOM 2010c). |
| November 2011 | EHC-L is injected into former cheese-whey injection wells and ABC+ is injected using direct push technology in the downgradient EAB treatment area. |
| December 2012 | 6 December 2012 Requirement for Vapor Intrusion Sampling and Analysis Work Plan and Report letter from the Water Board (Water Board, 2012). |
| June 2013 | AECOM submits the Work Plan for Membrane Interface Probe and Remediation Activities at the Former Source Area Excavation (AECOM, 2013a) to the Water Board. |
| July 2013 | Vironex, under AECOM oversight, performs MIP investigation survey. |
| August 2013 | AECOM submits the <i>Membrane Interface Probe (MIP) Activities</i> Report (AECOM, 2013b) to the Water Board. |
| October 2013 | The Water Board approved the Vapor Intrusion Evaluation Sampling and Analysis Work Plan (AECOM 2013c) to install subslab vapor wells and perform indoor air sampling at the site. |
| December 2013 | Sub-slab vapor wells were installed and sampled and indoor air samples were collected. |

2.5 Potential Receptors

As required by the Water Board Order, in 1992, TRW and then current property owner, Tech Facility 1, Inc., prepared and recorded a deed restriction for the property to (Tech Facility 1, 1992):

- Prohibit the use of shallow groundwater for drinking water without approval from Water Board and other agencies with jurisdiction, and
- Notify Water Board before well installation.

This deed restriction continues to be in effect and protects potential human receptors from contacting impacted groundwater at the site. Per the recommendations in the previous Five-Year Review, the current legal owners of the former TRW Microwave property should record a new restrictive covenant that is consistent with current California law (California

Civil Code section 1471, which establishes the framework for environmental covenants in California).

A database search was performed at the SCVWD in January 2000 to locate potential receptors or conduits (i.e., groundwater production wells) within 0.5 mile of the site. Based on the information provided to CDM by the SCVWD and review of previous reports, the nearest public water well (SCVWD #274) is located more than 2,000 feet north and downgradient of the site. The well is screened in the lower aquifer, Zone C, approximately 250 feet below ground surface. As no contamination is identified in Zone B4 and the upper and lower aquifers (i.e., from Zone B to Zone C) are separated by an appreciable aquitard, it is unlikely that contamination from the shallow aquifer at the site has or will impact the public water well (HLA, 1991b). In addition, an internet search performed on the Water Board's Geotracker website (http://geotracker.waterboards.ca.gov) in February 2014 did not show any supply wells downgradient of the site.

To protect potential downgradient receptors, the Three Companies (Northrop Grumman, AMD, and Philips) contribute to the hydraulic containment of impacted groundwater within the defined OOU, downgradient of the Former TRW Microwave, AMD, and Philips sites. The OOU extracts groundwater from a set of wells downgradient of the three companies' sites that prevent the migration of VOC-impacted groundwater beyond (north of) Highway 101.

The existing site building is not equipped for occupancy and would require completion of plumbing, electricity, and mechanical ventilation and other improvements before it was occupied. However, once completed for occupancy, evaluation of the exposure to potential site workers from VOCs via the VI pathway is required prior to occupancy. Sampling was performed in December 2013 to evaluate the current VI pathway in the existing building.

3.0 SUMMARY OF REMEDIATION ACTIVITIES PRIOR TO JANUARY 2009

Prior to January 2009, TRW, and then Northrop Grumman, conducted numerous subsurface investigations to analyze the origin and distribution VOC impacts at the site, and implemented several actions to remove VOCs and monitor their removal. These activities were presented in the first, second, and third Five-Year Reports (WA, 1996a and CDM, 2001a and 2009a) and in the 2004 MSCA review (Water Board, 2004b). A summary of the investigations conducted prior to May 2004 were presented in Section 2.4 of this report. This section presents a discussion of the water-level elevations and VOC groundwater analytical results prior to 2009. Analytical results associated with the EAB program are discussed in Section 3.5.

3.1 Continued Groundwater Monitoring Program

In 1985, TRW implemented a full-scale groundwater monitoring program (WA, 1996a). A site plan showing monitoring well locations is presented in Figure 3. The purpose of the program was to assess the groundwater quality and the hydraulic control of the VOC groundwater plume at the site. Between 1985 and 1992, the groundwater monitoring events were conducted quarterly. In 1992, the Water Board approved a reduced monitoring

program and the groundwater events were conducted on a semi-annual basis. In 1999, the Water Board approved revising the monitoring program to annual groundwater monitoring in October of each year (Water Board, 1999). On-going groundwater monitoring of the onsite wells has been conducted since 1983. The results and findings of the groundwater monitoring are presented to the Water Board in reports following each event. Each report includes a summary of current and historical groundwater elevation and analytical data; current potentiometric surface maps for Zones A, B1, and B2; and the purge and sampling records for the event. The results from this monitoring were most recently presented in the 2013 Annual Groundwater Monitoring Report (AECOM, 2014). Appendix A presents a summary of well completion information for the site. The following is a summary of the groundwater monitoring program through 2008.

3.2 Groundwater Elevations

Historic groundwater elevation measurements are presented in Appendix B. The historic data include measured depths to groundwater and the calculated water-level elevations recorded for each well since 1986. Hydrographs of water-level elevations versus (vs.) time in selected site wells, including three in Zone A (T-1A, T-7A, and T-8A), three in Zone B1 (T-1B, T-7B, and T-8B), and two in Zone B2 (T-2C and T-11C) are presented on Figure 10. For wells T-8A, T-8B, and T-2C, the hydrographs begin in year 2000, the start of groundwater extraction suspension at these wells. For wells T-1A and T-1B, the hydrographs end in year 2004, when the wells were abandoned. Based on these measurements:

- · The regional groundwater movement direction in Zone A was to the north;
- Water levels and groundwater movement in Zones B1 and B2 were substantially impacted by ongoing groundwater extraction conducted at the Philips sites located to the west of the site; and
- Vertical hydraulic gradients were generally downward between the Zone A and Zone B1 intervals and between the Zone B1 and B2 intervals.

3.2.1 Site Groundwater Analytical Results

Historic groundwater analytical results are presented in Appendix C. Charts of TCE and cis-1,2-dichloroethene (cDCE) concentrations versus time for representative onsite wells including six wells in Zone A (T-2A, T-7A, T-8A, T-9A, T-13A, T-15A, and T-16A) and six wells in Zone B1 (T-2B, T-4B, T-7B, T-8B, T-9B, T-10B, and T-17B) are presented in Figures 11 through 14. Figure 15 presents TCE concentrations vs. time for representative on-site Zone B2 wells (T-2C, T-9C, T-10C, T-11C, and T-12C). For selected site wells, trend plots of chlorinated ethene concentrations versus days prior to and after suspension of groundwater extraction are presented in Appendix D. Appendix E includes a summary of the tetrachloroethene (PCE), TCE, cDCE, and vinyl chloride (VC) as well as ethane/ethene (the end product of reductive dechlorination) analytical results for selected wells in micromoles per liter (μM).

The following is a summary of conclusions from the groundwater monitoring program through 2008 (CDM, 2001a; Northrop Grumman, 2005; and, Water Board, 2004b; CDM 2009c).

- VOC concentrations in groundwater samples collected from Zones A and B1 indicated that the impact to groundwater from the former site source area was restricted to a relatively small and localized area.
- Prior to the EAB application, VOC concentrations in groundwater samples collected from Zone A attenuated over an order-of-magnitude within a few hundred feet downgradient of the Eductor, at well T-8A, and also declined substantially within the same lateral distance in Zone B1 (well T-8B). Concentrations decreased more than an order-of-magnitude from the late 1980's through the mid-1990s, and then remained generally stable through 2008.
- Impact to the site from offsite sources was apparent in Zones A (particularly in wells T-7A, 36S, and 37S) and Zone B1 (particularly in well T-5B). Elevated levels of VOCs were detected in groundwater collected from these wells. In addition, during certain monitoring events, VOC levels in these wells exceeded VOC concentrations in wells downgradient of the former site source area (wells T-8A and T-8B).
- Elevated levels of VOCs detected in groundwater samples collected from wells T-2C and T-9B appeared to be caused by pumping of impacted groundwater from offsite sources and are further discussed in Section 4.2.
- Zone B4 on the site continued to show no impact by VOCs.

3.3 Source Removal

After removal of the UST in 1983 and through 1986, TRW conducted investigations of potential impacts to soil and groundwater at the site (WA 1996a). The investigations identified the former UST area as the only source of VOC impact to site groundwater. In 1984, based on the soil investigations to delineate the former site source area (around the former UST area), TRW excavated additional soil that was not removed with the UST in 1983. In total approximately 200 cubic yards of VOC-impacted soil were removed. The excavation was approximately 19 feet by 16 feet in area, and extended to a depth of approximately 18 feet.

Samples of excavated soil were collected during the removal. Total VOC concentrations (primarily TCE) in these samples ranged from 0.45 to 15,730 mg/kg. Based on the amount of soil removed and the soil sample results, an estimated 1,560 pounds of VOCs were removed through source removal. The excavated soil was transported offsite for disposal. The excavation was backfilled with gravel to serve as a pit for groundwater extraction. A vertical PVC pipe was placed in the gravel backfilled pit, from the base of the pit to the surface, for groundwater extraction. The gravel backfilled pit is identified as the Eductor pit and the groundwater extraction pipe as the Eductor. Figure 3 presents the locations of this former site source area excavation (i.e., Eductor pit) and Eductor.

3.4 Operation of Soil Vapor Extraction System

In July 1993, TRW began voluntary SVE from three existing wells (T-2A, T-8A, and the Eductor) to enhance cleanup in the unsaturated zone in the vicinity of the former UST area. The SVE system was permitted to operate by the BAAQMD and consisted of a 5-horsepower (HP), 100 standard cubic feet per minute (scfm) vacuum blower, a knockout drum, and three 200-pound granular activated carbon (GAC) vessels. The system was later upgraded to a 15-HP blower and three 1,200-pound GAC vessels in September 1995. During late 1994 and early 1995, 13 additional SVE points were installed to a depth of about 12 feet bgs with 3 feet of screen at the bottom and were connected to the SVE system. Between July 1993 and July 1996, the SVE system removed approximately 121 pounds of VOCs (expressed as pounds of TCE-equivalent, the main VOC of concern). The cumulative VOC mass removed by the SVE system is summarized in Appendix F.

Following system shutdown, CDM performed rebound testing in September 1997 and July 1998. The rebound tests were performed with the 13 SVE points using a portable vacuum and a field photo-ionization detector.

VOC concentrations decreased from the September 1997 to the July 1998 sampling event. During the 1998 event, all VOC concentrations were 5 parts per million per volume (ppmv) or below except for extraction point MP-1 located directly in the former site source area (gravel UST excavation area backfill). Based on the results of the rebound testing, no significant rebound between the two sampling events occurred.

As discussed in Section 2.4, closure of the SVE system and the vadose zone was requested in August 1998 (CDM, 1998a). Specifically, field testing and analytical data were presented to demonstrate that TRW had fulfilled the Water Board's six criteria for SVE closure and had met the site-specific soil cleanup standard. Based on analytical results from the soil investigations in 1988 and 1996 and groundwater monitoring, the SVE system achieved its two main objectives:

- Enhance removal of VOCs from the vadose zone to meet the Water Board's proposed soil cleanup standard of 1 mg/kg; and
- Reduce the likelihood of VOCs in the vadose zone from negatively impacting the saturated zone, as demonstrated by declining VOC vapor concentrations in the vicinity of the former site source area.

Following the presentation, the Water Board provided verbal authorization to terminate soil remediation and destroy the SVE points at the site. A formal letter from the Water Board stated that cleanup levels for site soil (1 mg/kg total VOCs) had been met and therefore the Water Board approved curtailment of the SVE system (Water Board, 1998). In November 1998, all SVE extraction points, except SVE extraction point MP-1 located in the Eductor pit, were destroyed in accordance with the SCVWD well destruction permits. Well MP-1 was not destroyed at the same time as the other wells because it was inaccessible to drilling and pressure grouting would introduce cement into the highly permeable gravel Eductor pit and could potentially reduce the effectiveness of groundwater extraction at the

Eductor well. Instead, MP-1 was capped at this time. In 2002, during the remodeling of the site building, MP-1 was destroyed by its complete removal.

3.5 Operation of Groundwater Extraction and Treatment System

The GWET system operated at the site from 1985 to April 2001. The GWET system consisted of seven extraction wells completed at three cluster locations (T-2A, B and C; T-8A and B; and, T-9A and B) and the Eductor. Although groundwater extraction no longer occurs at these seven wells and the Eductor, they all continue to be present at the site and are used for groundwater monitoring. Extracted groundwater was treated through an air stripper to remove VOCs. Treated groundwater was discharged to the local storm drain under the site's National Pollution Discharge Elimination System (NPDES) permit. Following treatment, off-gas from the air stripper was discharged to the atmosphere under the site's BAAQMD permit.

Decreases in TCE concentrations were most dramatic during the first five years of system operation (1985 to 1990). During the 1990s, the TCE concentrations appeared to have reached near asymptotic levels, in particular those in the former site source area (Eductor, and wells T-2A and T-2B). In 2000, the annual TCE mass removed was only 30 percent of that removed by the system in 1985. At the time of its suspension in April 2001, the GWET system had removed a total of approximately 28 million, 44 million, and 43 million gallons of groundwater from Zones A, B1, and B2, respectively (total of approximately 115 million gallons of groundwater). Approximately 260, 1,480, and 1,310 pounds of VOCs (expressed as pounds of TCE-equivalent, the main VOC of concern) were removed corresponding to the volume of groundwater extracted from Zones A, B1, and B2, respectively (total of approximately 3,050 pounds of VOCs). The cumulative VOC mass removed by the GWET system is summarized in Appendix G.

Extraction at and near the former site source area (T-2A, T-2B, T-2C, T-8A, T-8B, and the Eductor) was discontinued prior to, or shortly after, the initiation of the EAB pilot program (Water Board 2001b). Extraction from the remaining two extraction wells located near the northern property boundary (T-9A and T-9B) was discontinued in April 2001 to allow for site redevelopment activities (Water Board 2001a). Subsequent approval from the Water Board was received for the continued suspension of groundwater extraction at these two wells, based on evaluation of changes in VOC concentrations after suspension (CDM 2001b and Water Board 2001b). The Water Board directed TRW to continue quarterly groundwater monitoring at the extraction wells to evaluate non-pumping conditions (NPC).

VOC concentrations across the plume continued to decline under EAB and NPC, indicating that the contribution of VOCs to the commingled plume from the site was reduced. The reductions in VOC concentrations in the former site source area were due to the success of the EAB.

Based on continued improvement of groundwater VOC concentrations across the site through 2013, the Water Board continued to support suspension of groundwater extraction

across the other wells through the end of 2005 with continued EAB and NPC evaluations (CDM 2004h and Water Board 2004a).

3.6 Enhanced Anaerobic Bioremediation

Following completion of CDM's Evaluation of Natural Attenuation and Chemical Oxidation Report (CDM, 2000a) and approval from the Water Board (Water Board, 2000), Northrop Grumman (then TRW Inc.) implemented the EAB program at the site. Analytical results for parameters related to the EAB program are presented in Appendix H. The approximate locations of EAB activities performed prior to 2009 (as well as other remedial activities at the site) are presented on Figure 16. The following table presents the chronology of the implementation and progress of the EAB program through the end of 2008:

| Date | Report/Letter/Event |
|---|--|
| March 2000 | CDM's report on the evaluation of natural attenuation and chemical oxidation recommended that in situ remediation via EAB be implemented for Zone B1 (CDM, 2000a). |
| August 2000 | CDM submitted a work plan to implement an EAB pilot program in Zone B1 at the former site source area (CDM, 2000c). |
| October 2000 | After verbal approval from the Water Board, CDM implemented the EAB pilot program by injecting polylactate ester (via Regenesis' Hydrogen Release Compound [HRC] products) into Zone B1 in and around the former site source area (see Figure 16). |
| April 2001 | Based on the periodic monitoring of Zone A wells within the EAB treatment area, CDM determined that the limited amount of the HRC product that was injected into Zone A during the injection into Zone B1 had significantly changed conditions in Zone A to support EAB. CDM submitted an addendum to the EAB work plan to inject electron donor into Zone A. The Water Board approved the addendum. (CDM, 2001c and Water Board, 2001b) |
| June 2001 | CDM injected slow-releasing HRC to target Zone A. In addition, injections within the footprint of the former treatment system, which was not possible during October 2000 injection, were advanced into Zone B1. |
| December 2003, January 2004, and February 2005 | The effectiveness monitoring showed that the EAB application increased the rate of chlorinated VOC biodegradation occurring within the former site source area and accelerated VOC attenuation rates across the downgradient portions of the site. |
| August 2005 | Subsequent to Water Board approval (Water Board, 2005), the EAB pilot program was expanded to include groundwater immediately downgradient of the former site source area in Zone A and Zone B1 (CDM, 2005) (see Figure 16). |
| April 2006 | CDM submitted the Revised Proposed Plan to USEPA in order to change the groundwater remedy from GWET to in situ bioremediation (CDM, 2006). |

| Date | Report/Letter/Event | |
|-------------------|--|--|
| July 2006 | Water Board issued a letter to USEPA in which they concurred with conclusions of the Revised Proposed Plan and recommended to USEPA to change the groundwater remedy for the site from GWET to in situ bioremediation (Water Board, 2006). | |
| January 2007 | EAB performance monitoring showed that EAB continues to improve the groundwater quality and enhance VOC degradation in and around the former site source area; however, VOC degradation has slowed a downgradient portions of the plume due to competing electron acceptor (Northrop Grumman, 2007). | |
| June 2007 | CDM submitted a work plan for additional Zone A EAB remedial activities, which proposed to conduct four quarterly cheese whey injections in the expanded portion of Zone A downgradient of the former site source area (CDM, 2007). | |
| August 2007 | Subsequent to Water Board approval (Water Board, 2007), CDM installed seven injection wells and one monitoring well as part of the downgradient Zone A EAB treatment area. | |
| September 2007 | Tamalpais Environmental Consultants (TEC), under CDM's oversight performed the first of four quarterly cheese whey injection events into wells T-13A, T-14A, and T-18A through T-24A. | |
| November 2007 | CDM performed a one-time bioaugmentation event into wells T-13A, T-14A, and T-18A through T-24A, using groundwater from Eductor well. | |
| December 2007 | TEC, under CDM's oversight, performed the second of four quarterly cheese whey injection events into wells T-13A, T-14A, and T-18A through T-24A. | |
| March 2008 | TEC, under CDM's oversight, performed the third of four quarterly cheese whey injection events into wells T-13A, T-14A, and T-18A through T-24A. | |
| June 2008 | TEC, under CDM's oversight, performed the last of four quarterly cheese whey injection events into wells T-13A, T-14A, and T-18A through T-24A. | |

3.7 Indoor Air Quality

Human health risk associated with vapor intrusion of TCE was evaluated during two indoor air quality sampling events conducted at the site prior to May 2004 and one additional event in October 2004. Figure 17 shows the locations of the indoor air quality samples collected within and outside the site building during these events. Appendix J presents a summary of the results from the three sampling events.

The first sampling event was conducted in October 2003 and the VOCs detected above their respective indoor air threshold levels included TCE, PCE, VC, and chloroform. A complete presentation of the sample collection, analytical results, and performance analysis of this event were provided to the Water Board in the *Evaluation of Indoor Air Sampling Report* (CDM, 2004a). The results of this investigation indicated that the indoor air VOC

concentrations within the site building would not be above threshold levels after redevelopment of the building with a mechanical ventilation system with an air exchange rate (AER) of at least 1 building volume per hour.

In April 2004, subsequent to Water Board approval (CDM, 2004d and Water Board, 2004c), a temporary mechanical ventilation system was installed and operated within the site building and indoor air samples were collected in order to determine the effectiveness of ventilation on reducing concentrations of VOCs to acceptable levels. In May 2004, the Report of Findings – Installation and Operation of a Temporary Mechanical Ventilation System and Indoor Air Sampling was submitted to the Water Board. This report indicated that the rate of VI into the site building appeared to be low enough to be mitigated solely with increased ventilation (CDM, 2004c).

The Water Board (2004d) approved this report in July 2004, but requested additional sampling without mechanical ventilation. A third indoor air quality sampling event was conducted in October 2004 in accordance with a Water Board-approved Work Plan (CDM 2004f and Water Board 2004f). This third round of indoor air sampling was conducted without operation of a mechanical ventilation system to evaluate whether improvement in the groundwater conditions at the site would eliminate the need for any further monitoring of indoor air quality.

In November 2004, the *Report of Findings – October 2004 Indoor Air Sampling* (CDM 2004g) was submitted to the Water Board. The report confirmed conclusions of the earlier report, namely that in the absence of a ventilation system, concentrations of TCE detected in indoor air exceeded the indoor air threshold limits for industrial exposure. However, the report concluded that mitigation of indoor VOC concentrations to below the threshold levels could be achieved solely with installation and operation of a standard ventilation system designed for an AER of 1.

In December 2004, the Water Board approved the November 2004 report; recommended that adequate ventilation be maintained in the site building if occupied in order to minimize risk to the health of building occupants; and requested an additional round of indoor air samples be collected from the building after installation/operation of the ventilation system but before it is occupied (Water Board 200gd). The Water Board further requested that Northrop Grumman prepare a RMP to guide future management of human health risks associated with occupancy of the site building, with particular emphasis on the vapor intrusion pathway.

In April 2005, Northrop Grumman submitted a preliminary draft RMP (CDM 2005a) to the Water Board and property owner. The RMP was to be finalized upon occupancy of the site building, identification of the intended use of the building, and installation of a ventilation system.

Appendix J summarizes the results from previous indoor air sampling events and includes a comparison to current (2013) USEPA Regional Screening Levels (RSLs) and Water Board Environmental Screening Levels (ESLs) for indoor air industrial exposure. As shown on the table, TCE was detected at similar concentrations in all three of the indoor air samples

collected in October 2004, ranging from 4.3 micrograms per cubic meter ($\mu g/m^3$) to 5.1 $\mu g/m^3$ and was the only analyte that exceeded its 2013 indoor air RSL for industrial exposure of 3 $\mu g/m^3$.

4.0 SUMMARY OF REMEDIATION ACTIVITIES SINCE JANUARY 2009

Since January 2009, remediation activities conducted at the site have included: continued suspension of the GWET system, continuation of the groundwater monitoring program (including installation of three new monitoring wells), continued operation and monitoring of the EAB program, a membrane interface probe [MIP] investigation in the former site source area, and indoor air and sub-slab vapor sampling.

4.1 Continued Suspension of Groundwater Extraction and Treatment System

As discussed in Section 3.4, GWET at the site has been suspended since April 2001. Although groundwater extraction at the site had been suspended, Northrop Grumman (and formerly TRW) has continued to monitor groundwater on an annual basis across the site and on a semi-annual basis for selected wells within the EAB treatment area. Northrop Grumman submits monitoring reports to the Water Board annually (AECOM 2010a, 2011a, 2012, 2013d, and 2014). Results from groundwater monitoring performed from 2009 through 2013 continue to support suspension of groundwater extraction at the site. In particular, suspension of groundwater extraction should be continued so as not to interfere with the site EAB program and the capture of offsite plume sources by the Philips 815 groundwater extraction. In line with this discussion, and because the GWET system had not been operated in over 11 years, it was removed from the site in November 2012.

4.2 Continued Groundwater Monitoring Program

Site layout showing monitoring well locations is presented in Figure 3. The results from this monitoring were most recently presented in the 2013 Annual Groundwater Monitoring Report (AECOM, 2014). In accordance with the Water Board's 17 February 2004 letter, the groundwater monitoring data presented in the annual groundwater monitoring reports also includes data collected for the EAB program and NPC evaluation. The NPC evaluation was initiated in April 2001 and involves evaluation of VOC concentration trends after complete suspension of groundwater extraction at the site. The EAB evaluation involves additional parameters and is further discussed in Section 4.3. In support of the site groundwater monitoring program, two additional monitoring wells were installed up gradient of the site source area in Zone B1 and one additional monitoring well was installed to monitor the effects of the downgradient EAB program. A summary of these well installations and results from the continued groundwater monitoring program are discussed below.

4.2.1 Well Installation

Two new Zone B1 wells were installed in accordance with the Water Board approved November 2011 Work Plan for Monitoring Well Installation (AECOM, 2011b) and a

permanent well was installed downgradient of 2011 EAB injections. Drilling was performed on November 12 and 13, 2012. Drilling services were provided by National Exploration, Wells, & Pumps, Inc. of Richmond, California. Geologic logs and well completion details for all three wells were included in the 2012 Annual Groundwater Monitoring Report (AECOM, 2013d).

The two new groundwater monitoring wells, T-18B and T-19B (Figure 3), were installed in Zone B1 upgradient of the site source area to assess groundwater believed to be entering the site from the east based on the 2011 groundwater surface contours. Based on previous data, it was thought that pumping of Zone B1 by the off-site Philips groundwater extraction system induced a groundwater gradient to the west/northwest. The locations of these new wells were intended to intersect the primary contaminant migration pathways from the upgradient direction beyond the eastern property boundary.

In order to confirm that monitoring wells were screened in the targeted Zone B1, borings were advanced using DPT drilling methods and continuously sampled to evaluate the lithology and identify Zone A and Zone B1. This lithology data was used in conjunction with historic well construction and borehole log data to select the targeted screened interval. Borings T-18B and T-19B were advanced to depths of 50 and 40 feet bgs, respectively. The borings were initially advanced by hand auguring to a depth of approximately 5 feet bgs to avoid subsurface obstructions, and then advanced using DPT. Continuous cores were collected for geologic logging purposes. Borings were logged in general accordance with the Unified Soil Classification System by an AECOM geologist under the supervision of a California Professional Geologist. The DPT borehole was subsequently reamed using hollow-stem auger (HSA) drilling methods. Borehole DPT diameters were 2.75 inches and then reamed using an 8-inch outside-diameter (OD) HSA to allow monitoring well construction.

A third groundwater monitoring well, T-17A, was installed to replace a temporary 1-inch well with pre-packed screen that was initially installed to assess downgradient impacts from the November 2011 additional EAB activities (discussed in detail in Section 4.3). On November 12 and 13, 2012, a HSA drill rig equipped with a drill-out bit was used to over-drill and remove the temporary well and create an 8-inch OD borehole for construction of a standard monitoring well. As with the temporary well, well T-17A was screened from 10 to 20 feet bgs. The HSA drill cuttings were used to describe the lithology and were logged in general accordance with the Unified Soil Classification System by an AECOM geologist under the supervision of a California Professional Geologist.

The following provides a summary of field observations made during monitoring well installation:

- T-17A: The well is screened from 10 to 20 feet bgs. During drilling, groundwater
 was first encountered at approximately 13 feet bgs. Locally, Zone A appears to be a
 clayey sand from approximately 15 feet bgs and continues to the total borehole
 depth of 21 feet bgs.
- T-18B: The well is screened from 41 to 46 feet bgs. During drilling, groundwater was first encountered at approximately 8.5 feet bgs. Locally, Zone B1 appears to be

- fine to coarse sandy silt. The upper and lower boundaries of Zone B1 in this location appear to be confined by very stiff, dry silt.
- T-19B: The well is screened from 29 to 39 feet bgs. During drilling, groundwater
 was first encountered at approximately 10 feet bgs. Locally, Zone B1 appears to be
 a mixed transition zone characterized by clayey sand above interbedded sandy clay
 layers within silt. The upper and lower boundaries of Zone B1 in this location
 appear to be confined by very stiff, dry silt.

As mentioned above, wells T-18B and T-19B were intended to be located upgradient of the site source area in Zone B1. However, once static water levels were measured in these new wells and an updated Zone B1 groundwater surface elevation contour map was prepared, it appears that the new wells may be cross-gradient from the site source area (Figure 8).

4.2.2 Groundwater Elevations

Forty-two (42) wells including the Eductor have been completed at the site in four depth intervals, designated as Zones A, B1, B2, and B4 (Appendix A). Figure 3 shows the site layout and existing well locations. Historic water level elevation data are presented in Appendix B. The data include the measured depths to groundwater and the calculated water-level elevations recorded for each well since 1986, including the October 2013 results. Hydrographs of water-level elevations versus time in representative site wells, including three in Zone A (T-1A, T-7A, and T8A), three in Zone B1 (T-1B, T-7B, and T-8B), and two in Zone B2 (T-2C and T-11C), are presented in Figure 10. For wells T-8A, T-8B, and T-2C, the hydrographs begin in year 2000, the start of groundwater extraction suspension at these wells. For wells T-1A and T-1B, the hydrographs end in year 2004, when the wells were abandoned.

Appendix I presents potentiometric surface contour maps for Zones A, B1, and B2, generated for each of the annual monitoring events conducted during the last five years. Philips and AMD provided Northrop Grumman with their water-level elevation data. Although these data are not included in Appendix I, they were considered during interpretation of potentiometric surface contours near the site boundaries.

From 2009 through 2013, water-level elevation data indicate that the static depth to the water table ranged from 6.2 feet to 9.0 feet bgs. The regional and local direction of groundwater movement in Zone A is to the north at an average horizontal gradient of 0.01 horizontal foot per vertical foot.

Between 2009 and 2012 and prior to the installation of Zone B1 wells T-18B and T-19B, groundwater flow in Zone B1 appeared to be primarily north-northwest. After the installation of these wells, the general groundwater gradient in Zone B1 appears to be to the north based on 2013 water levels (Figure 8). Locally, the groundwater movement in Zone B1 is likely influenced by channelized flow related to stream deposits. Groundwater movement in Zone B2 is to the northwest. Water levels and groundwater movement in Zones B1 and B2 have historically been, and continue to be, affected by groundwater extraction at the Philips sites (815 Stewart Avenue and 440 Wolfe Road).

Between 2009 and 2012, water levels in Zone A increased in elevation by 0.41-foot to 0.77-foot. Water levels in Zone A wells observed during the October 2013 monitoring event decreased in elevation by 0.2-foot to 0.5-foot compared to the October 2012 measurements (excluding the Eductor) but water levels continue to be near the high end of the historic range. Between 2009 and 2012, water levels in Zone B1 increased in elevation by 0.64-foot to 4.22-feet; however, water levels decreased by approximately 0.2 to 0.7 foot between October 2012 and October 2013. Between 2009 and 2012, water levels in Zone B2 increased in elevation by 0.94-foot to 2.17-feet; water levels in Zone B2 wells during October 2013 were lower than October 2012, by approximately 0.2-foot to 0.6-foot.

Vertical hydraulic gradients in primarily the downward direction exist between the Zone A and Zone B1 intervals and between the Zone B1 and Zone B2 intervals. The vertical hydraulic gradient between Zone B4 and the overlying zones is upward. Hydraulic head values measured in October 2013 under NPC, indicate that the current vertical head difference between Zones A and B1 is:

- Approximately 0.2 feet downward in the vicinity of the Eductor (between T-2A and T-2B);
- Fairly neutral in the central site area (between T-8A and T-8B, and T-16A and T-10B) and at the southern property boundary (between T-7A and T-7B); and
- Approximately 0.1 feet downward at the southwestern property boundary (between 37S and T-5B), at the northern property boundary (between T-9A and T-9B), and at the western property boundary (between 38S and T-4B).

These vertical gradients between Zone A and Zone B1 are due to the influence of pumping within Zone B at the nearby Philips site. A downward head difference occurs between Zones B1 and B2 in all areas of the site.

4.2.3 Site Groundwater Analytical Results

Historic VOC results for previous monitoring events performed since 1982, are summarized in Appendix C. Historically, low concentrations of other VOCs (not listed in Appendix C) have occasionally been detected. These VOCs are not listed as they are not associated with site operations and have not been detected above their SCRs.

Graphs of TCE and cDCE concentrations vs. time for representative wells located on site, including seven wells in Zone A (T-2A, T-7A, T-8A, T-9A, T-13A, T-15A, and T-16A) and seven wells in Zone B1 (T-2B, T-4B, T-7B, T-8B, T-9B, T-10B, and T-17B), are presented on Figures 11 through 14. Figure 15 presents TCE concentrations vs. time for representative on-site Zone B2 wells (T-2C, T-9C, T-10C, T-11C, and T-12C).

Graphs of concentrations of tetrachloroethene (PCE), TCE, cDCE, trans-1,2-dichloroethene (tDCE), and VC for October 2013 at select wells in Zone A and Zone B1, along the general groundwater flow direction across the site, are presented in Figures 18 and 19, respectively. Compound-specific isotope analysis (CSIA) results for TCE, cDCE, and VC are also plotted on Figure 18 and are discussed in Section 4.2.2.

For selected site wells, trend plots of chlorinated ethene concentrations prior to and after suspension of groundwater extraction are presented in Appendices D and E.

Groundwater monitoring data collected between January 2009 and December 2013 continue to support the following conclusions:

- The impact to groundwater from the former site source is restricted to a relatively small and localized area near the Eductor.
- Impact to the site from offsite sources continues to be apparent in Zones A, B1, and B2. Continued migration of VOC-impacted groundwater onto the site complicates long-term site groundwater remediation.
- Groundwater quality across the site continues to improve following complete suspension of groundwater extraction and implementation of the EAB program.
- Suspension of groundwater extraction at the Eductor and wells T-2A, T-2B, T-8A, and T-8B, in conjunction with the EAB program, has facilitated an increased rate of VOC biodegradation occurring within the former site source area.
- Suspension of groundwater extraction at wells T-9A, T-9B, and T-2C has halted pumping-induced migration of the Philips 815 plume toward the site.
- Suspension of groundwater extraction has not increased the risk for migration of VOC-containing groundwater from the site to potential downgradient receptors.

4.2.3.1 Site Zone A and Zone B1 Upgradient Wells

Impacts to the site from offsite sources continue to be apparent for Zones A, B1, and B2. Zone A wells 36S, 36D, T-7A, and 37S, located along the upgradient site boundary, indicate migration of VOCs, primarily TCE and cDCE, onto the site. Concentrations of TCE migrating onto the site (particularly from areas around well T-7A) are similar to or greater than those present for wells downgradient of the former site source area (see Figure 18).

Zone A wells 36D and 37S, located along the upgradient site boundary, have had TCE concentrations ranging from 19 micrograms per liter (μ g/L) to 95 μ g/L and cDCE concentrations ranging from 2.2 μ g/L to 40 μ g/L over the last five years. TCE and cDCE concentrations for T-7A, located approximately 175 feet upgradient of the former site source area, have varied from 56 μ g/L to 220 μ g/L and 51 μ g/L to 230 μ g/L, respectively, over the same time period. In October 2012, TCE and cDCE concentrations were 56 μ g/L and 230 μ g/L, respectively; notably, this was the only year the cDCE concentration was substantially higher than the TCE concentration and was likely a result of the EAB activities performed at the upgradient AMD site. In October 2013, the concentration of TCE in T-7A increased to 240 μ g/L and cDCE decreased to 77 μ g/L, suggesting less influence from the EAB program at the AMD site.

Zone B1 wells T-5B and T-7B along the southern site boundary also indicate substantial VOC migration onto the site, primarily due to pumping-induced groundwater flow towards the Philips 815 extraction system. Over the past 5 years, TCE has been detected in well T-5B at concentrations greater than most other wells within the former site source area $(1,500 \, \mu g/L \, \text{in } 2013)$ (see Appendix C). Concentrations in this well have fluctuated over time, usually in relation to the operational status of the Phillips 815 groundwater extraction

and treatment system. TCE, cDCE, and Freon 113 concentrations for Zone B1 well T-5B have exhibited fluctuations due to periodic shutdown of the Philips 815 groundwater extraction system, which allowed migration of impacted groundwater from upgradient, offsite source areas onto the site. In 2013, concentrations of TCE, cDCE, and Freon 113 detected in groundwater in well T-5B were 1,500 μ g/L, 51 μ g/L, and 1,500 μ g/L, respectively; similar to concentrations detected in 2012.

In Zone B1 and B2, the historical presence of Freon 113, a VOC which has not been attributed to the former site source area, was previously demonstrated to be related to offsite sources. Historical and current Freon 113 concentration data (Appendix C) from site Zone B1 wells T-5B, T-7B, T-17B, and T-19B and Zone B2 wells T-2C, T-10C, T-11C, and T-12C indicate impact from offsite sources. With the exception of a temporary increase in October 2007, the concentration of Freon 113 in well T-2C steadily decreased since suspension of groundwater extraction at the well and has not been detected since 2011. Two additional Zone B1/B2 wells, T-5B and T-10C, exhibited decreasing trends between October 2008 and October 2011 and have remained generally similar between 2012 and 2013. This finding further supports continued shutdown of onsite extraction in order to prevent further migration of VOCs from off-site sources onto the site.

4.2.3.2 Site Zone A and Zone B1 Former Source Area Wells

As discussed in Section 3.5, monitoring data has shown that the EAB program has had a beneficial impact on groundwater quality in the former site source area. In 2008, TCE concentrations in the Eductor rebounded to 100,000 µg/L, similar to the concentration detected in 1993. In 2009 and 2010, TCE concentrations decreased to non-detect and 2,100 µg/L, respectively. The 2008 through 2010 fluctuations for the Eductor are similar to those observed in 2002 and 2003 and are attributed to one or more of the following: (1) enhanced mass transfer of VOCs into the aqueous phase; (2) increased solubility of VOCs resulting from the presence of metabolic acids; and, (3) VOCs migrating into this area from upgradient, offsite sources as evidenced by the concentrations for upgradient well T-7A (see Figures 11 and 18). Concurrent with decreases in TCE, concentrations of daughter products cDCE and VC significantly increased. In 2010, cDCE and VC concentrations were 78,000 µg/L and 67,000 µg/L, respectively, indicating significant dechlorination of aqueous-phase TCE. A similar trend was observed in the Eductor in 2004 following a significant increase in aqueous-phase TCE concentration in 2003. In October 2010, emulsified and neat vegetable oil were injected in the former source area (discussed in detail in Section 4.3.1) resulting in VOC sequestration and significant decreases in VOCs by October 2011. Between October 2011 and October 2012, concentrations of TCE and cDCE increased by one to two orders of magnitude and the concentration of VC was approximately four times higher. In October 2012, TCE, cDCE, and VC concentrations in the Eductor were 1,200, 83,000, and 5,200 μg/L, respectively.

Prior to 2013, groundwater samples were collected from the middle of the screen interval of the Eductor (approximately 11 feet bgs) using tubing that was lowered through the layer of floating neat vegetable oil. To evaluate sampling depth as a potential cause for the fluctuating VOC concentrations in the Eductor groundwater samples, a modified sampling approach was employed during the October 2013 sampling event. A drop tube (2-inch

PVC) was lowered into the Eductor prior to sampling to protect the sample tubing from exposure to the floating neat vegetable oil; which has sequestered high concentrations of VOCs. Using the drop tube, groundwater samples were collected from two discrete depths within the screen interval of the Eductor, 11 feet bgs (consistent with previous sampling events) and 15 feet bgs (within the original 13 to 16 feet bgs injection interval for the neat vegetable oil). In the sample collected from 11 feet bgs, TCE was not detected above the reporting limit of 500 μg/L and concentrations of cDCE and VC were 29,000 μg/L and 1,800 µg/L, respectively. Compared to October 2012, these concentrations indicated a decrease in VOCs within the Eductor. However, in the sample collected from 15 feet bgs, high concentrations of TCE and cDCE were detected (8,800 μg/L and 160,000 μg/L, respectively), and VC was not detected above the reporting limit of 1,000 µg/L. These sampling results indicate vertical stratification of VOC concentrations in the Eductor, with the shallow sample exhibiting more evidence of biodegradation. The lower sample was collected within the injection interval of the neat vegetable oil where the permeability was significantly reduced after injection. Therefore, the shallow sample is considered more representative of groundwater concentrations that could migrate beyond the former site source area.

In 2009 and 2010, total chlorinated ethene concentrations (primarily cDCE and VC) for Zone A well T-2A and Zone B1 well T-2B, were above pre-EAB conditions contrary to the previous trend of concentrations significantly lower than pre-EAB conditions (see Appendix E). The high concentrations of daughter products were believed to be related to degradation of TCE detected in the adjacent Eductor in October 2008. Following the 2010 EAB activities in the former source area (emulsified and neat vegetable oil injections), cDCE and VC concentrations significantly decreased in both wells T-2A and T-2B. In T-2A, cDCE and VC decreased by more than two orders of magnitude from 8,700 µg/L and 5,400 μg/L in October 2010 (just prior to the EAB activities) to 12 μg/L and 11 μg/L, respectively, in October 2011. In October 2012, concentrations of cDCE and VC in T-2A increased to 120 μg/L and 67 μg/L, respectively. In October 2013, concentrations of cDCE and VC increased again slightly to 340 µg/L and 86 µg/L, respectively. While there have been some increases in cDCE and VC concentrations since October 2011, concentrations are still one to two orders of magnitude below pre-injection (October 2010) levels. In Zone B1 well T-2B, cDCE and VC decreased from 200 μg/L and 260 μg/L in October 2010 to 79 μg/L and 140 μg/L, respectively, in October 2011 even though the 2010 EAB activities were performed in Zone A only. In October 2012, cDCE and VC concentrations remained similar to 2011 values. In October 2013, cDCE and VC concentrations in T-2B increased to 140 μg/L and 150 μg/L, respectively, but were still below pre-injection October 2010 values. TCE concentrations have been below SCRs for wells T-2A and T-2B since 2007.

4.2.3.3 Site Zone A and Zone B1 Downgradient Wells

Downgradient of the former source area, the influence of the EAB program has been more pronounced for Zone B1 than Zone A, consistent with better hydraulic connection and greater transmissivity in the deeper zones. EAB remedial activities, consisting of cheese whey injections, were conducted in downgradient Zone A wells in September 2007, December 2007, March 2008, and June 2008; and subsequent emulsified vegetable oil and neat vegetable oil injections were performed in the former source area in October 2010

(discussed in detail in Section 4.3.2). In November 2011, EHC-L was injected in downgradient Zone A wells; and ABC+ was injected in direct push points downgradient of the source area in Zones A and B1.

In downgradient Zone A monitoring wells, the observed trends since the initiation of the EAB program, including the expansion to encompass areas around well T-8A, are less pronounced than Zone B1 and are perhaps not directly attributable to the EAB program. The EAB process has and continues to remove considerable VOC mass from the former site source area and immediate vicinity. This has reduced the VOC mass migrating to the downgradient site areas. The cessation of groundwater extraction has enhanced conditions by returning the groundwater gradient to its natural condition, allowing for longer residence times between T-8A and T-9A, and hence, higher attenuation potential within these areas. TCE concentrations for well T-9A are consistently lower than the upgradient property boundary well T-7A and total chlorinated ethene concentrations for T-13A, T-14A, T-8A, T-15A, T-16A, and T-9A are less than those for upgradient property boundary well T-7A (see Figure 19 and Appendices D and E).

VOC samples collected from wells T-19A, T-23A, and T-25A in early September 2007 prior to cheese whey injections, contained TCE and cDCE at concentrations ranging from 140 μ g/L to 210 μ g/L and 21 μ g/L to 55 μ g/L, respectively. VC was not detected in these wells at that time. Following cheese whey injection in wells T-13A, T-14A, T-19A, T-23A, and T-25A in late September 2007, decreases in TCE concentrations and increases in cDCE concentrations were observed. Starting in April 2010, TCE concentrations in these wells started rebounding with October 2011 concentrations ranging from 28 μ g/L to 70 μ g/L (with the exception of well T-19A which was 4.1 μ g/L). These concentration trends indicated a decrease in dechlorination in the groundwater downgradient of the source area as a result of cheese whey depletion. After injection of additional electron donor (EHC-L) in November 2011, concentrations of TCE decreased in all of the former whey injection wells to below SCRs, except well T-23A. Concentrations of cDCE also decreased in all of the wells with limited VC increases, again with the exception of well T-23A.

Until October 2007, decreases in TCE and cDCE concentrations were observed in well T-8A without detectable concentrations of VC. After cheese whey injections began in September 2007 immediately upgradient of well T-8A, VC was detected in well T-8A at concentrations up to 36 μ g/L. In February 2009, TCE and cDCE concentrations were at historical lows of 21 μ g/L and 23 μ g/L, respectively. These low concentrations of TCE and cDCE and increases in VC were attributed to increased dechlorination under the effect of the cheese whey injections implemented in the area of Zone A wells T-13A and T-14A. After 2009, TCE and cDCE concentrations slowly rebounded and VC concentrations decreased in well T-8A, indicating depletion of the cheese whey in the upgradient injection wells. In November 2011, EHC-L was injected into wells T-13A, T-14A, and T-18A through T-24A (the same wells used for cheese whey injection). Concentrations of TCE, cDCE, and VC detected in T-8A in October 2013 remained roughly equivalent to concentrations prior to the EHC-L injections, indicating that the effects of the EHC-L injections did not reach this location.

In Zone B1, downgradient monitoring well T-8B total chlorinated ethene concentrations in groundwater decreased by more than 50 percent following initiation of Zone B1 EAB activities in 2000 (see Appendix E). Since 2007, TCE concentrations have started to rebound (from 7.5 μ g/L in October 2008 to 36 μ g/L in October 2013). Concentrations of daughter product cDCE have been increasing in this well since 2009 to the maximum concentration detected in this well (450 μ g/L in October 2013). This elevated concentration may be attributable to migration of cDCE from the former site source area and/or related to cDCE migrating on to and through the site from upgradient sources.

In Zone B1 well T-4B, located near the western property boundary, TCE concentrations were below the SCR of 5 μ g/L in October 2006 and have since fluctuated between 2.5 μ g/L and 9.2 μ g/L through 2013. Concentrations of cDCE have been consistently higher since 2006, steadily increasing between October 2010 through October 2013, from 360 μ g/L to 830 μ g/L, respectively. These increases in cDCE concentrations for well T-4B (and also for T-17B and T-9B) since 2006 may be attributable to migration of EAB dechlorination products (cDCE, VC, and ethene) in groundwater from the former site source area and/or related to cDCE migrating on to and through the site from upgradient sources.

It is suspected that well T-9B was impacted by an offsite source, and that pumping from T-9B induced the migration of VOCs onto the site in Zone B1 from this offsite source (CDM, 1999b and 2000b). This conclusion is based on the historical substantially higher TCE concentrations for T-9B compared to upgradient Zone B1 well T-8B and the historical presence of Freon 113 in T-9B, which is not attributed to the site. The decrease in TCE concentrations following the suspension of groundwater extraction at T-9B, in addition to the results from the more recently installed Zone B1 well T-10B with VOC concentrations similar to or less than T-8B, support the conclusion that groundwater around T-9B is impacted by historical, pumping-induced, migration of the Philips plume onto the site.

4.2.3.4 Site Zone B2 Wells

VOC concentrations for Zone B2 in the central site area have decreased substantially since suspension of groundwater extraction from site well T-2C in November 2000. In October 2013, the TCE concentration in well T-2C decreased from 310 μ g/L in October 2012 to 110 μ g/L and Freon 113 was not detected.

Concentrations in well T-2C have historically been elevated relative to Zone B1 and have resulted solely from offsite sources, as substantiated by a differing suite of VOCs with differing VOC ratios for Zone B2 relative to overlying Zone B1 (e.g., the presence of Freon 113 in Zone B2, which is not attributed to the site) and the absence of VOCs common to the former site source area (PCE). Groundwater extraction from T-2C in the past is suspected to have contributed to the migration of VOCs onto the site. Since the suspension of groundwater extraction from this well, TCE concentrations have decreased more than 90 percent and Freon 113 was not detected in October 2012 or October 2013. These decreases are attributed to capture of a significant portion of the plume by the Philips 815 site extraction system.

4.3 Continued Enhanced Anaerobic Biodegradation Program

As mentioned above, the EAB program has continued at the site through 2013 and has consisted of semiannual groundwater monitoring events and two additional injection events. The locations of the EAB injection events conducted between 2009 and 2013 are presented on Figure 20. This section describes the source area (Section 4.3.1) and downgradient area (Section 4.3.2) EAB injection events and then provides a summary of EAB monitoring results over the past 5 years (Section 4.3.3).

4.3.1 Source Area Activities

Based on elevated VOC concentrations detected in the Eductor between 2008 and 2010, additional source area treatment was performed. To treat the residual VOC contaminant mass and supply a slow-release electron donor to sustain EAB within the former source area and down gradient, emulsified vegetable oil (EVO) and neat (not emulsified) vegetable oil were injected into the Eductor.

With the Water Board's approval of the letter work plan (AECOM, 2010b) for additional EAB remedial activities (October 19, 2010 email from Mr. Max Shahbazian to Northrop Grumman), EVO was injected into the Eductor on October 18 and 19, 2010 and neat vegetable oil was injected into the Eductor from November 15 to 17, 2010. Injection of the less viscous and more easily distributed EVO was performed first to facilitate distribution of electron donor throughout the former excavation that was backfilled with pea gravel. Injection of the more viscous neat vegetable oil was performed second to sequester high concentrations of VOCs and provide a longer lasting electron donor for sustaining conditions conducive to EAB.

Prior to injection of EVO, the excavation was dewatered by extracting approximately 2,600 gallons of groundwater from the Eductor. Approximately 50 gallons of EVO and one gallon of magnesium hydroxide (for pH control) were mixed in line with approximately 1,000 gallons of extracted groundwater using a chemical metering device and injected at approximately 4.5 to 9.5 gallons per minute (gpm) into the Eductor. Following injection of the EVO, the remaining extracted groundwater (approximately 1,600 gallons) was injected as chase water to distribute the EVO to the edges of the excavation. Fluorescein (yellow/green) dye was injected concurrently with the EVO as a tracer to monitor arrival of the EVO at wells T-2A and T-2B, located just outside the downgradient edge of the excavation. On October 21, 2010, immediately following the EVO injection, groundwater samples were collected from the Eductor, T-2A, and T-2B and analyzed for field parameters, total organic carbon (TOC), and the presence of fluorescein dye. Fluorescein dye was observed in the field in wells T-2A and T-2B, indicating distribution of EVO to the edges of the excavation.

One month after the EVO injection and one day before the neat vegetable oil injection, groundwater samples were collected from the Eductor, T-2A, and T-2B and analyzed for field parameters, VOCs, dissolved gases, TOC, and alkalinity to document conditions prior to the neat vegetable oil injection. Once groundwater sampling was complete,

approximately 2,700 gallons of groundwater were extracted from the Eductor and stored in a polyethylene tank. Following extraction, a packer was installed in the Eductor to isolate and pressurize injection of the neat vegetable oil between 13 and 16.5 feet below the top of the casing to focus the injection across the bottom of the excavation. Approximately 440 gallons of neat food-grade vegetable oil were injected into the Eductor with an average injection rate of 4.5 gpm and an average injection pressure of 30 pounds per square inch (psi). Following injection of the neat vegetable oil, the 2,700 gallons of extracted groundwater were mixed with 50 pounds of sodium bicarbonate (for pH control) and injected at approximately 10 to 20 gpm and 30 to 40 psi to push the oil further away from the Eductor into the excavation.

Performance monitoring for the EVO and neat vegetable oil injections continued through 2013 and were incorporated into the ongoing semiannual EAB monitoring program approved by the Water Board (Water Board 2007). In addition, one stand-alone performance monitoring event was performed in March 2011, approximately three months after the neat vegetable oil injection. Photographs of injection activities are presented in Appendix K.

4.3.2 Downgradient Area Activities

In October 2010, concentrations of cDCE and VC detected downgradient of the EAB treatment area were higher than those coming onsite. Therefore, to facilitate complete degradation of these daughter products, additional EAB activities were performed in November 2011 downgradient of the former source area. Redox compound EHC-L and ABC+ were injected to create a biobarrier perpendicular to groundwater flow downgradient of the former source area (Figure 21). EHC-L and ABC+ both stimulate biological and abiotic degradation of chlorinated solvents. EHC-L contains a soluble carbon substrate and soluble (ferrous) iron while ABC+ contains a soluble carbon substrate referred to as ABC (25 percent) and micro-scale zero valent iron (ZVI) (75 percent). The benefit of using these types of amendments is that they typically accelerate degradation of chlorinated solvents compared to carbon substrate alone and limit generation of unwanted daughter products such as cDCE and VC by stimulating the abiotic pathway as well as the biological pathway. Injection photos are included in Appendix G.

With the Water Board's approval of the letter work plan (AECOM 2011c) for additional EAB remedial activities (November 14, 2011 email from Mr. Max Shahbazian to Northrop Grumman), EHC-L was injected into Zone A via the nine former cheese whey injection wells (T-13A, T-14A, and T-18A through T-24A) and ABC+ was injected into Zone A and Zone B1 via nine direct push locations from November 16 through 20, 2011. Prior to injection activities, temporary well T-17A (which was later completed as a permanent well [Section 4.2.1]) was installed and sampled for VOCs, sulfate, dissolved gases, TOC and microbial population to document conditions prior to the injection. Figure 21 shows the November 2011 injection locations and well T-17A.

The EHC-L was comprised of two components, a viscous liquid (EHC-L) and a powder (EHC-L Mix). For each injection well, 1.4 drums of EHC-L and 1.4 bags of EHC-L Mix were combined with potable water to make 500 gallons of solution. This solution was then

injected under pressure (30-60 psi) using a diaphragm pump at a rate of approximately 7 gallons per minute (gpm). Injection totals are listed below.

| Material | Amount per Well | Total Injected |
|---------------------|-----------------|----------------|
| Water (approximate) | 430 gallons | 3,870 gallons |
| EHC-L | 607 pounds | 5,460 pounds |
| EHC-L Mix | 35.5 pounds | 320 pounds |

ABC solution was mixed in 500-gallon batches, with each batch containing 474 gallons of potable water and 26 gallons of ABC (soluble carbon substrate). For each injection interval, 50 gallons of this solution was combined with 75 pounds of ZVI and 2 pounds of guar (a biodegradable food-grade substance used to keep the ZVI in suspension) in a ChemGrout mixer and then injected via direct push. Injection pressures ranged from less than 25 psi to 100 psi. Total injection quantities are summarized below.

| Material Injected | Amount per Direct Push Location | Total Amount Injected |
|-------------------|------------------------------------|-----------------------|
| Water | 568.75 gallons | 4,550 gallons |
| ABC | 31.25 gallons | 250 gallons |
| ZVI | 900 pounds | 7,200 pounds |
| Guar | 28.75 pounds | 230 pounds |

ABC+ was injected at nine direct push locations (including eight planned injection points and one replacement point, described in detail below). Due to the location of several underground utilities, dense vegetation, and landscaping at the site, the planned direct push locations were moved to the most feasible locations, spaced between 7 feet and 12 feet apart and ending approximately 20 feet from the property line (Figure 21). Several underground utilities and dense vegetation located between Injection Point 8 and the property line prevented injection in that area.

Each direct push injection location was designed to include 12 vertical intervals from 35 feet bgs to 7.5 feet bgs, with each interval separated by 2.5 feet. To prevent short-circuiting and surfacing of ABC+ solution, the shallowest interval (7.5 feet bgs) was injected first after which the rods were removed and the top of the hole was packed with bentonite to create a seal. The injection rod was then advanced to the total depth (35 feet bgs) in the same hole and the injection proceeded from the bottom up in the remaining injection intervals. Photographs of injection activities are presented in Appendix K.

4.3.3 EAB Monitoring Results

This section presents a summary of the EAB program results, which include natural attenuation parameters such as geochemical parameters, electron acceptors, and metabolic by-products, and dechlorinating microbes. Monitoring results from these other parameters further support the VOC data in demonstrating the effectiveness of EAB. A detailed discussion of the relevance of the individual parameters was presented in CDM's Evaluation of Natural Attenuation and Chemical Oxidation Report (CDM, 2000a). Historic results for previous pre- and post- EAB monitoring events performed since 2000 are summarized in Appendix H.

Groundwater EAB monitoring data collected between January 2009 and December 2013 for the source area and downgradient EAB wells are summarized below:

- Groundwater temperatures in the EAB area ranged from 15.8 to 22.6 degrees Celsius. All temperatures were within the optimum range of 5 to 25 degrees Celsius for biological processes.
- Groundwater pH values ranged from 4.9 to 7.2 in the Eductor and from 6.4 to 7.4 in the other EAB wells. Outside of the Eductor, these values fell within the generally accepted optimal pH range of 6 to 8 and are not expected to negatively influence the biological activity.
- Groundwater oxidation-reduction potential (ORP) levels ranged from -303 millivolts (mV) to 11 mV. Low or negative ORP values are indicative of a reducing environment favorable for biodegradation of chlorinated ethenes.
- TOC concentrations ranged from non-detect (less than 1 milligram per liter [mg/L]) to 3,600 mg/L. TOC consists of organic compounds, which are utilized in the dechlorination of VOCs.
- The dissolved oxygen (DO) concentrations within the former site source area ranged from 0.1 to 3.3 mg/L, but have generally been less than 0.5 mg/L, with some exceptions of anomalous high DO readings in 2010 due to source area injection activities. At DO concentrations less than 0.5 mg/L, anaerobic conditions prevail and aerobic respiration will be minimal.
- Since January 2009, the range of groundwater sulfate concentrations for the Eductor was 0.99 mg/L (estimated concentration) to 8.2 mg/L. The maximum groundwater sulfate concentrations, detected in wells T-2A and T-2B, were 88 mg/L and 230 mg/L, respectively. Sulfate is a competing electron acceptor that can limit reductive dechlorination.
- Methane concentrations ranged from 47 to 13,000 µg/L. Elevated methane levels in impacted groundwater are an indication of methanogenic microbial activity.

4.4 Expanded Source Area Investigation

In July 2013, a MIP investigation was performed in the vicinity of the former site source area. The primary purpose of the MIP investigation was to identify and delineate any remaining VOC-impacted material immediately adjacent to the former excavation. The investigation was conducted in accordance with the Water Board approved Work Plan for

MIP and Remediation Activities at the Former Source Area Excavation (AECOM 2013x). Six MIP points were advanced through Zones A and B1 using direct push methods. One continuous soil core was also collected and nearby MIP results were used to select intervals for soil sample collection and VOC analysis. Locations of the MIP and soil boring are shown on Figure 22. VOCs were detected in the MIP points and soil samples; however, there was no evidence of remaining high-concentration VOC-impacted material in the vicinity of the original excavation. The complete results of the investigation were presented in the Membrane Interface Probe (MIP) Activities Report (AECOM 2013b).

4.5 Indoor Air Quality

In response to requests by the USEPA and Water Board, a sampling event was performed in December 2013 to evaluate the current vapor intrusion pathway at the site. The sampling was performed in accordance with the *Vapor Intrusion Evaluation Sampling and Analysis Work Plan* (AECOM 2013c) which followed VI guidance in the *Advisory – Active Soil Gas Investigations* (Cal-EPA 2012) and the OSWER Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air (External Review Draft dated April 2013, USEPA 2013a), the Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (DTSC 2011a), and the Vapor Intrusion Mitigation Advisory (DTSC 2011b). Field activities included the installation and sampling of four sub-slab vapor wells and the collection of four indoor air samples and one outdoor ambient air sample. Sampling locations are shown on Figure 23. The results of this sampling event will be included in the next five year review report.

5.0 REMEDIATION EFFECTIVENESS EVALUATION

This section presents an evaluation of the effectiveness of remedial actions at the site including the previous groundwater extraction system and current EAB program. In addition, this section presents an evaluation of the effectiveness of the overall remedial actions in supporting enhanced natural attenuation for the site. The combined past and ongoing removal/treatment of VOCs has significantly reduced and continues to reduce the mass of VOCs at and in the near vicinity of the former site source area.

5.1 Effectiveness of Groundwater Extraction and Treatment

As discussed in Section 4.1, VOC results since April 2001 continue to support suspension of groundwater extraction at the site. In particular, suspension of groundwater extraction should be continued so as not to interfere with:

- The robust biodegradation processes present within the EAB program treatment areas, particularly within the former site source area where the highest mass removal is occurring;
- The enhanced attenuation conditions present in the onsite, Zone A downgradient areas, which have resulted from both reduction of VOC mass flux from the EAB treatment areas and increased attenuation potential from suspension of extraction; and,

 The capture of offsite plume sources by the Philips 815 Stewart Drive site Zone B1 and Zone B2 groundwater extraction system.

5.2 Effectiveness of Enhanced Anaerobic Bioremediation Program

The intent of this section is to evaluate the EAB program's ability to (1) sustain conditions that provide complete reductive dechlorination of VOCs in groundwater; (2) maintain SCRs where they have been achieved; and, (3) influence downgradient groundwater conditions. A detailed discussion of the relevance of the individual EAB analyses was presented in the *Evaluation of Natural Attenuation and Chemical Oxidation Report* (CDM, 2000a). A detailed discussion of the EAB process, and groundwater oxidizing and reducing conditions was presented in the work plan for the initial EAB program (CDM, 2000c).

Section 4.3.3 presents a discussion of the 2009 through 2013 VOC results associated with the EAB program. This section presents a discussion of the other EAB program results, such as VOC concentrations detected in the floating neat vegetable oil in the Eductor, geochemical parameters, electron acceptors, metabolic by-products, electron donor indicators like TOC, dechlorinating microbes, and CSIA. These results represent groundwater conditions before and after the 2010 EVO and neat vegetable oil injections and the November 2011 EHC-L and ABC+ injections. The historical analytical results for pre- and post-EAB monitoring events performed since 2000 are presented in Appendix H.

Ability to Sustain EAB Conditions

Following the 2010 EVO and neat vegetable oil injections, biogeochemical data indicate that within the vicinity of the Eductor, T-2A, and T-2B, conditions remained favorable for reductive dechlorination through 2013 (with the exception of the continuing sub-optimal pH in the Eductor). Downgradient of the former site source area, methane remained present within the area impacted by the November 2011 EHC-L and ABC+ injections for both Zones A and B1, but sulfate rebounded in most of the wells by October 2013, making conditions less ideal for complete reductive dechlorination. This is consistent with decreasing TOC concentrations in most of the injection wells, indicating that sufficient hydrogen (electron donor) may not be readily available to satisfy the demand of competing electron acceptor processes. It is important to note that a benefit of EHC-L and ABC+ is that these products also stimulate the abiotic reduction of chlorinated solvents (due to the iron present in their formulations), which is not as affected by the presence of sulfate. This could account for the continued reductions of chlorinated solvents observed in some of the EHC-L injection wells through October 2013.

As mentioned in Section 4.3.2.2, the elevated TCE concentrations detected in the Eductor in October 2008 (100,000 μ g/L) decreased significantly through October 2010 with a coincident and significant increase in cDCE, VC, and ethene concentrations. In October 2011, VOC concentrations in the Eductor decreased significantly from October 2010 levels in response to the EVO and neat vegetable oil injections, with TCE decreasing from 2,100 to 54 μ g/L, cDCE decreasing from 78,000 to 8,000 μ g/L, and VC decreasing from 67,000 to 1,100 μ g/L. While these significant decreases were due, at least in part, to the neat vegetable oil sequestering high concentrations of VOCs, continued detections of ethene

indicate on-going reductive dechlorination as well. In October 2012, concentrations of TCE, cDCE, and VC in the Eductor increased to 1,200 μ g/L, 83,000 μ g/L, and 5,200 μ g/L, respectively. Based on the 11-foot groundwater sample collected from the Eductor in October 2013, concentrations of TCE, cDCE, and VC steadily declined from October 2012 values to below the reporting limit (500 μ g/L), 29,000 μ g/L, and 1,800 μ g/L, respectively. These data indicate that contaminant mass continues to be significantly reduced within the vicinity of the Eductor three years after the EVO and neat vegetable oil injections.

In March 2011, four months after the neat vegetable oil injection, floating vegetable oil was present in the Eductor and a sample of it was collected and analyzed for chlorinated VOCs. Results indicated that the floating vegetable oil contained 38,000 micrograms per kilogram (μg/kg) (equivalent to 34,200 μg/L) of TCE and 110,000 μg/kg (equivalent to 99,000 μg/L) of cDCE. In October 2012, analysis of the floating vegetable oil showed that concentrations of TCE and cDCE in the oil increased to 90,000 µg/kg (equivalent to 81,000 µg/L) and 180,000 μg/kg (equivalent to 162,000 μg/L), respectively. In October 2013, concentrations of both TCE and cDCE remained similar to October 2012 with TCE detected at 79,000 µg/kg (equivalent to 71,100 µg/L) and cDCE detected at 140,000 µg/kg (equivalent to 126,000 µg/L). PCE was detected in the floating vegetable oil for the first time in October 2012 (12,000 µg/kg, equivalent to 10,800 µg/L); however, PCE was not detected in October 2013. The elevated VOC concentrations indicate that the injected neat vegetable oil has carried sequestered contaminants from the targeted injection zone at the bottom of the former excavation into the floating vegetable oil detected in the Eductor. While TCE groundwater concentrations have been one to two orders of magnitude lower than cDCE groundwater concentrations in the Eductor since October 2009, significant TCE concentrations have been detected in the vegetable oil samples. This indicates that the vegetable oil is sequestering parent compound TCE prior to undergoing significant dechlorination in the dissolved phase.

As discussed in Section 4.3.2.2, the significant impacts of the 2010 EVO and neat vegetable oil injections observed in the Eductor were also observed in wells T-2A and T-2B located immediately downgradient of the former site source area. Following the October 2010 injections, cDCE and VC concentrations decreased by at least three orders of magnitude in T-2A by March 2011 and were reduced approximately 50 percent in T-2B, even though Zone B1 was not targeted for treatment. While both wells showed some increases in 2012 and 2013, cDCE and VC concentrations in T-2A were still one to two orders of magnitude lower than pre-injection concentrations in October 2013. Continuing detections of ethene in wells T-2A and T-2B suggest that EAB is ongoing. Geochemical conditions near well T-2A remain conducive to EAB, with a DO concentration less than 0.5 mg/L, an ORP value less than -100 millivolts, and an elevated methane concentration.

The TOC concentration trends in wells T-2A, and T-2B and the Eductor are generally in line with VOC trends in these wells. In the Eductor, TOC increased from 280 mg/L in October 2010 prior to injection to 3,600 mg/L following the EVO and neat vegetable oil injections and then decreased steadily to 1,390 mg/L in October 2013, with the exception of low concentrations detected in October 2011 and October 2012. Decreasing TOC concentrations indicate utilization of the carbon source to enhance degradation processes. In Well T-2A,

TOC concentration trends in well T-2A were similar to the Eductor as TOC increased from 4.8 mg/L in October 2010 to 180 mg/L following the EVO and neat vegetable oil injections followed by a decrease to 4.8 mg/L in October 2012 as robust degradation occurred. TOC concentrations remained generally unchanged (less than 10 mg/L) between October 2011 and October 2013, suggesting that either the vegetable oil remains within the former source area excavation and has not undergone significant degradation or the metabolic acids generated from degrading vegetable oil are being consumed as rapidly as they are being generated. In Well T-2B, TOC concentrations increased from non-detect to 27 mg/L following injection of the less viscous and more mobile EVO, but following the neat vegetable oil injection, TOC concentrations were 2.2 mg/L or less through October 2013. These TOC concentrations explain the temporary increase in microbial activity and contaminant reduction followed by the onset of rebound in well T-2B. TOC concentrations for the EHC-L injection wells increased up to 34 mg/L in April 2012 following EHC-L injection and decreased to below 10 mg/L in all of the wells by October 2012 and remained below 10 mg/L through October 2013. These decreases in TOC concentrations, corresponding decreases in contaminant concentrations. and increased production of daughter products (VC) suggest that electron donor is being utilized to facilitate reductive dechlorination of VOCs.

The population count of *Dehalococcodies* (Dhc) type microbes for the Eductor decreased following the 2010 EVO and neat vegetable oil injections from 2.78E+06 cells per milliliter (cells/mL) in October 2010 to 8.35E+01 cells/mL in October 2011. In October 2012, the population increased by an order of magnitude to 4.88E+02 cells/mL; however, the population decreased again to 1.47E+01 cells/mL in October 2013. Although the Dhc population decreased in the Eductor, it significantly increased in well T-2A from 1.10E+03 cells/mL in October 2010 to 2.67E+05 in October 2011 following the vegetable oil injections. The population detected in October 2012 (1.23E+05 cells/mL) was essentially the same as the population detected in October 2011. Between October 2012 and October 2013, the population decreased by three orders of magnitude to 6.22E+02 cells/mL. Low VOC and TOC concentrations as well as a decrease in pH since October 2012 could be contributing to the decrease in Dhc population. Dhc was detected in the EHC-L injection wells in October 2013, at population counts up to 2.33E+03 (T-23A). The Dhc concentration trends over time for the Eductor and selected Zone A wells within the expanded EAB treatment area are presented in Figure 24.

The results of EAB monitoring program following the 2010 and 2011 injection activities indicate significant reductions in contaminant mass and maintenance of conditions conducive to EAB in the vicinity of the former site source area and downgradient EHC-L injection area. As discussed in Section 4.3.2.2, effects of the 2010 vegetable oil injections were not realized in downgradient wells and influence from the EHC-L and ABC+ injections had not extended significantly downgradient of the injection locations as of October 2013.

Ability to Maintain SCRs

While the 2010 EVO and neat vegetable oil injections in the Eductor significantly reduced contaminant mass in the former site source area and EHC-L/ABC+ injections increased reductive dechlorination downgradient of the site source area, groundwater containing TCE and cDCE above SCRs continues to migrate into the onsite EAB treatment area from

upgradient, offsite sources (as discussed in Section 4.2.3.1). Therefore, maintaining site VOC concentrations at or below the currently established SCRs for the Eductor and downgradient wells (e.g., T-2A, T-8A, etc.) and for Zone B1 is not likely attainable.

For Zone B1, the Philips 815 extraction system continues to influence groundwater movement at the site (as discussed in Section 3.1). Well T-7B has VOCs above SCRs, similar to those present for the upgradient offsite well 23-D, located about 400 feet to the south of T-7B.

In absence of complete remediation of upgradient offsite plumes, an attainable goal for the site EAB program is to reduce site VOC mass such that the attenuation rate of VOCs across the site can be attributed solely to the attenuation dynamics of the upgradient offsite plumes (i.e., decreases in VOC concentrations to background levels [concentrations migrating onsite from upgradient offsite sources]).

Ability to Influence Downgradient Groundwater Conditions

The goal of the EAB program is to reduce contaminant mass in and near the former site source area to facilitate enhanced attenuation of contaminants downgradient. With respect to this goal, the EAB program has been and continues to be successful in influencing downgradient groundwater conditions. As the 2010 EVO/neat vegetable oil injections and 2011 EHC-L and ABC+ injections mature and VOC biodegradation continues, Zone A groundwater quality is expected to continue improving in downgradient areas.

Since 2006, TCE and cDCE concentrations for downgradient well T-9A continue to show no trend, ranging from 47 μg/L to 130 μg/L and 82 μg/L to 190 μg/L, respectively, which are similar to pre-EAB concentrations in October 2000. However, these TCE concentrations have been and continue to be less than concentrations for upgradient well T-7A, which during the same period had TCE concentrations ranging from 56 µg/L to 430 µg/L. Concentrations of cDCE in T-9A continue to be similar to or less than those detected in upgradient well T-7A (ranging from 51 µg/L to 230 µg/L since 2006). As total VOC concentrations are less for T-9A compared to T-7A, it appears that offsite VOC mass is being significantly attenuated as it migrates through the site, primarily through biodegradation in the EAB treatment areas. This attenuation is occurring even with potential contribution from the site and contribution from upgradient off-site sources. It is important to note that in October 2012, cDCE concentrations were significantly higher than TCE concentrations in well T-7A for the first time. This was likely the result of EAB activities being performed at the upgradient AMD property, resulting in reductive dechlorination of TCE to cDCE. However, in October 2013, cDCE concentrations decreased to significantly less than TCE concentrations, suggesting less influence from the EAB activities performed at the AMD site. However, as EAB activities at the AMD site are ongoing and this groundwater continues to migrate onsite from upgradient, it may start to confound comparison of VOC concentrations in wells T-7A and T-9A as well as evaluation of onsite EAB activities.

In order to better understand and quantify allocation of upgradient offsite plume and former site source area contributions to current site plume configuration, as well as evaluate the

effectiveness of past and ongoing EAB processes, monitoring of CSIA of TCE and cDCE was initiated in 2007. Carbon isotopes present in TCE and cDCE include ^{13}C and ^{12}C , with ^{13}C being the much less naturally abundant isotope. During anaerobic microbial reductive dechlorination of chlorinated compounds, the light (^{12}C) versus the heavy isotope (^{13}C) bonds are preferentially degraded, resulting in isotopic enrichment of the residual contaminant in ^{13}C and a change in the isotopic ratio of $^{13}\text{C}/^{12}\text{C}$, also known as $\delta^{13}\text{C}$. CSIA measures the $\delta^{13}\text{C}$ in a groundwater sample (with units of $^{0}/_{00}$) using the following equation:

$$\delta^{13}\text{C in \%} = \frac{\frac{(^{13}\text{C}/\ ^{12}\text{C}_{\text{sample}} - ^{13}\text{C}/\ ^{12}\text{C}_{\text{standard}})}{^{13}\text{C}/\ ^{12}\text{C}_{\text{standard}}}}{x \ 1000}$$

For chlorinated compounds, δ^{13} C is typically a negative number that increases, or becomes less negative, as the compound is degraded and becomes enriched with 13 C (heavier).

Samples for CSIA analysis have been collected from selected site wells in July 2007, October 2007, July 2008, October 2008, October 2009, October 2010, October 2011, October 2012, and October 2013 and results are summarized in Appendix H. In October 2013, groundwater samples were collected from Zone A wells across the site in the direction of groundwater flow and results are plotted on Figure 18 along with VOC concentrations. Groundwater samples were also collected from select Zone B1 wells for the first time in October 2013 to start compiling a CSIA dataset for Zone B1. Results for Zone B1 are included in Appendix H but will not be discussed or interpreted until additional rounds of CSIA sampling are performed.

The Zone A CSIA data were collected in order to further evaluate the following conclusions:

- Even though TCE concentrations are higher for the former site source area (Eductor) than in upgradient well T-7A, the degree of TCE biodegradation (i.e., TCE dechlorination to cDCE, VC, and ethene) is higher for former site source area groundwater compared to that migrating on to the site from the upgradient offsite plume. This can be demonstrated by showing that the groundwater migrating on to the site from the upgradient offsite plume (T-7A) is lighter (more negative δ¹³C) than former site source area groundwater (Eductor) with respect to the stable isotope ratio δ¹³C for parent compound TCE. CSIA data continue to support this conclusion. In October 2013, δ¹³C values for TCE and cDCE indicate that the compounds continue to be more degraded in the vicinity of the former site source area (i.e., well T-2A) compared to groundwater migrating on to the site (i.e. well T-7A) (Figure 18).
- Even though TCE fluctuations in the Eductor have occurred periodically since 2003, biodegradation processes in the immediate vicinity of the Eductor are sufficient to prevent further downgradient migration of TCE. This can be demonstrated by

comparing the CSIA data of the Eductor and well T-2A, located immediately downgradient of the Eductor. CSIA data collected to date strongly support this conclusion with TCE and cDCE in well T-2A being significantly more degraded (more positive δ^{13} C) than TCE and cDCE in the Eductor since April 2008. It is also important to note that the 2010 EVO and neat vegetable oil injections appear to have had a dramatic impact on degradation of cDCE near T-2A in particular with the δ^{13} C values for cDCE increasing from -11.85 $^0/_{00}$ in October 2010 to 2.21 $^0/_{00}$ in October 2011. In October 2012, the δ^{13} C value for cDCE decreased to -6.42 $^0/_{00}$ (less degraded than in October 2011) and then increased to -3.23 % in October 2013, showing that cDCE in the vicinity of the Eductor is continuing to degrade three years after the EVO and neat vegetable oil injection. Also of note, the δ^{13} C values for cDCE and VC in EHC-L injection well T-13A (located directly downgradient from the Eductor and well T-2A) increased significantly between October 2011 and October 2012 (from -15.39 $^{0}/_{00}$ to 9.45 $^{0}/_{00}$ and from -25.31 $^{0}/_{00}$ to -0.93 $^{0}/_{00}$, respectively) indicating that the cDCE and VC detected in this well are highly degraded due to the EHC-L injection. In October 2013, the δ¹³C value for cDCE in this well decreased to -1.86 0 /₀₀ indicating less degradation than in 2012, but still highly degraded cDCE compared to pre-injection values.

EAB processes are sufficient to ensure that contaminant mass from the former site source area is not significantly contributing to the offsite groundwater plume. demonstrated by showing that the groundwater migrating downgradient from the site is similar or heavier for δ¹³C for TCE and cDCE than that migrating onto the site from the upgradient offsite plume, as shown on Figure 12. According to available guidance on CSIA data interpretation (USEPA, 2008), differences in δ¹³C values must be at a minimum greater than $1^{0}/_{00}$ to be considered real and greater than $2^{0}/_{00}$ for positive identification of degradation. Therefore, if δ¹³C values for downgradient wells T-8A and T-9A are similar to (within $1^{0}/_{00}$) or less negative (by at least 2 $^{0}/_{00}$) than δ^{13} C values for wells located outside the influence of the former site source area (e.g., T-7A and T-3A), current EAB processes will be considered sufficient to limit contribution of contamination from the former site source area to the offsite groundwater plume. These data coupled with VOC concentration trend analysis (see Figure 18) and demonstration of conditions favorable for biodegradation, can demonstrate the attainment of background conditions or that background conditions will be achieved within a reasonable time period. CSIA data collected in 2013 support this conclusion.

6.0 CONCLUSIONS AND RECOMMENDATIONS

This section presents AECOM's conclusions regarding the GWET system and the EAB program as well as recommendations for changing the site groundwater remedy from GWET system to EAB with continued groundwater monitoring.

The offsite Philips extraction system currently maintains capture of the offsite contamination present in Zone B2 at the site, and the onsite and offsite contamination present in Zone B1. These capture zones extend onto the site by design in order to maintain effective capture of offsite Philips source areas.

Since suspension of the onsite GWET system in 2001, the Zone A EAB processes induced across the site have been more effective in reducing VOC mass within the treatment areas. With the EAB program, the rate of VOC dechlorination increased in all wells and the main parent compounds (PCE and TCE) were reduced by several orders of magnitude within and downgradient of the source area. The decreases in the parent compounds were supported by increases in daughter compounds (cDCE, VC, and ethane/ethene).

Based on the VOC concentrations still observed in the Eductor, it is likely that some high concentration VOC-impacted material remains in the vicinity of the original excavation. The MIP investigation performed in 2013 found no evidence of high concentration material outside the upgradient edge of the original excavation; therefore, it is highly likely that high concentration VOC-impacted materials are present within, or perhaps beneath, the original excavation. Based on this information, AECOM recommends exploring options for additional source removal activities in and around the Eductor pit to remove additional onsite source material while continuing to monitor EAB and attenuation processes downgradient of the former site source area.

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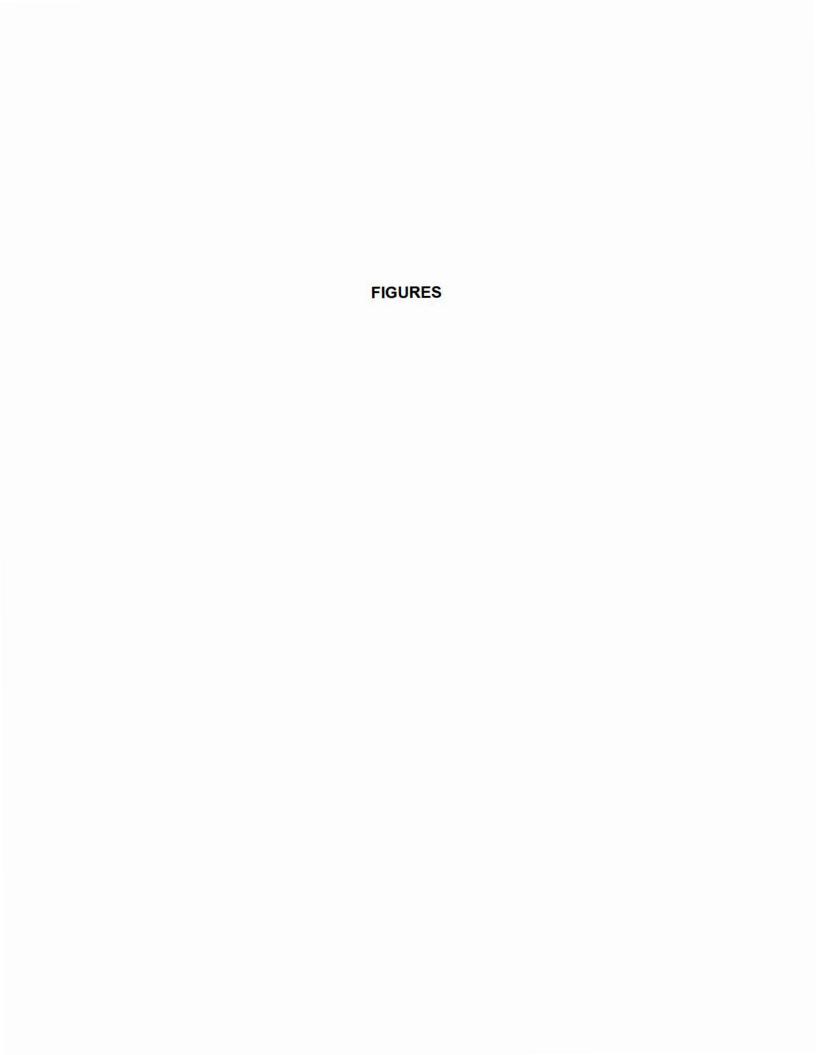
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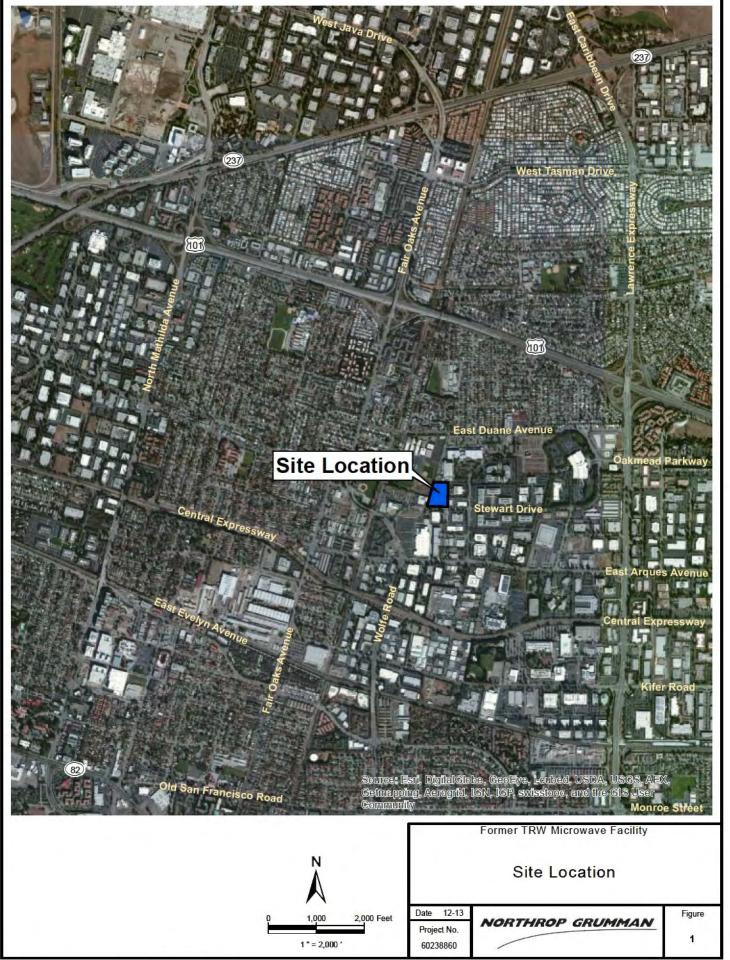
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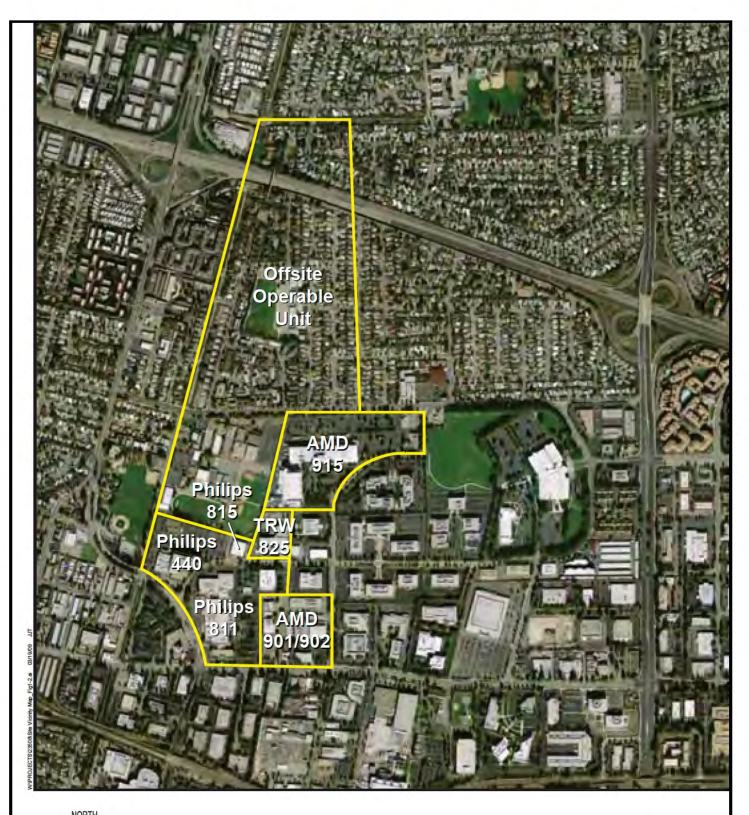
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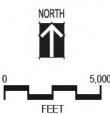
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Former TRW Microwave Facility

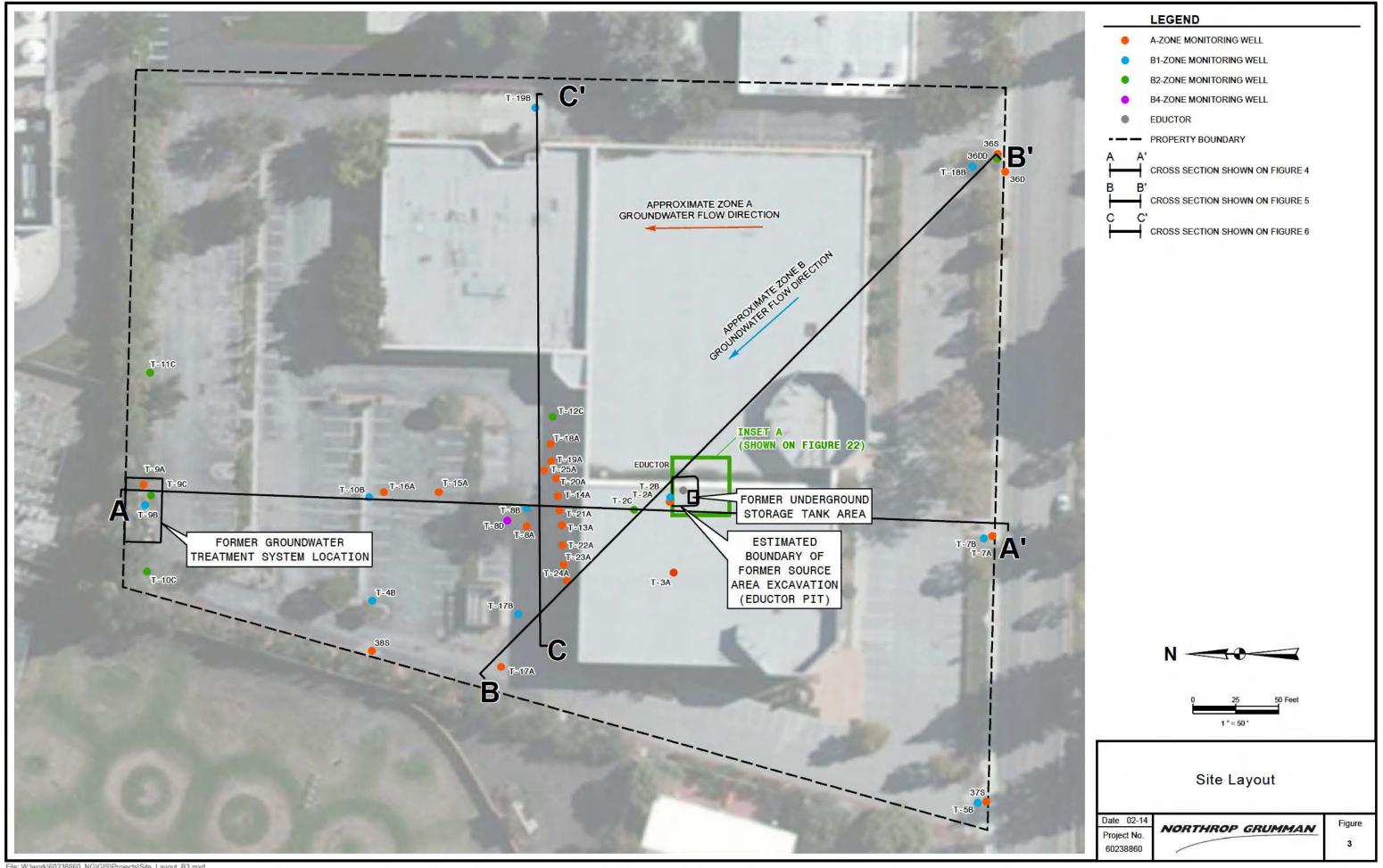
Site Vicinity Map

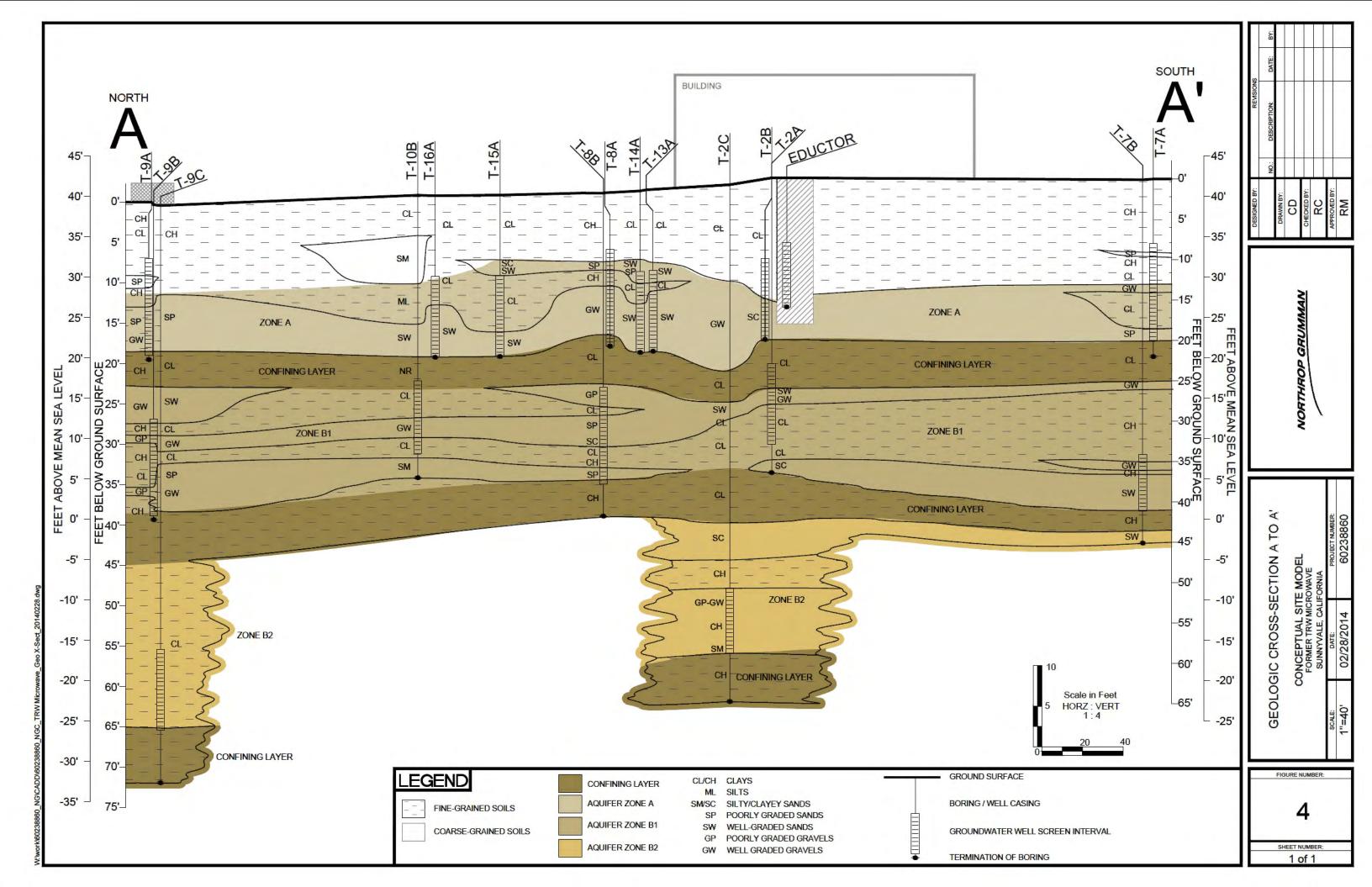
Date 12-13 Project No.

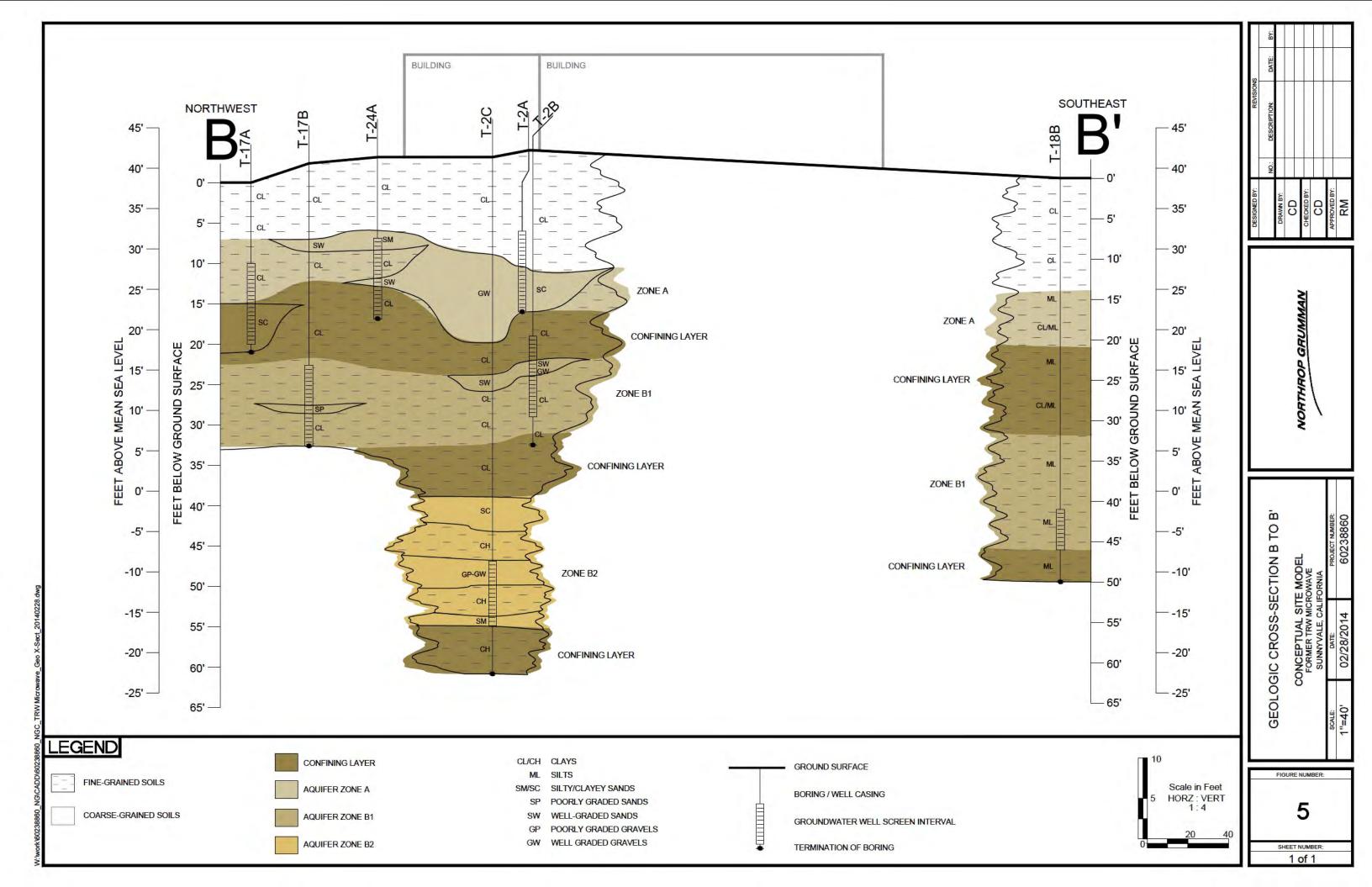
Project No. 60238860 NORTHROP GRUMMAN

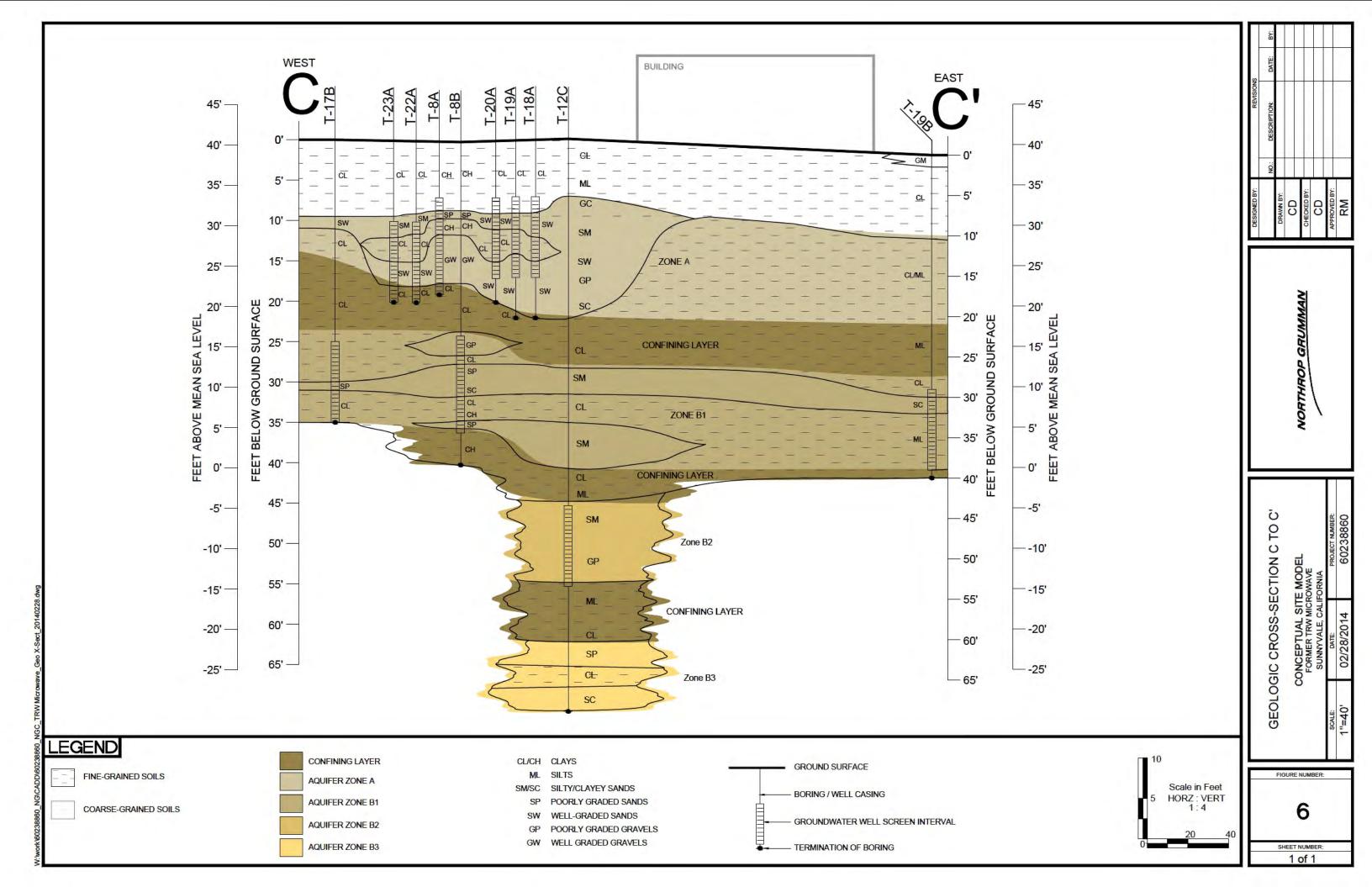
Figure

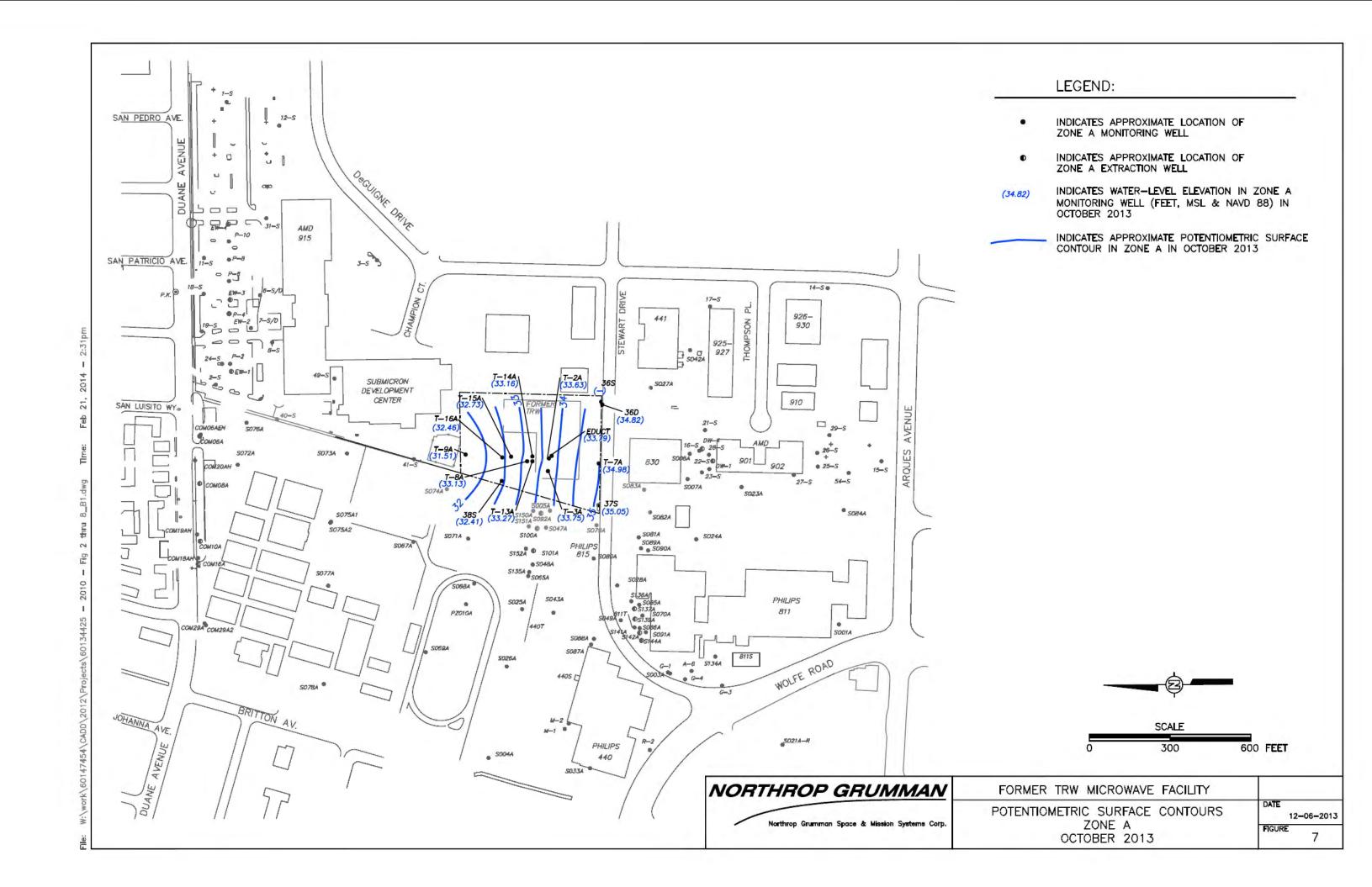
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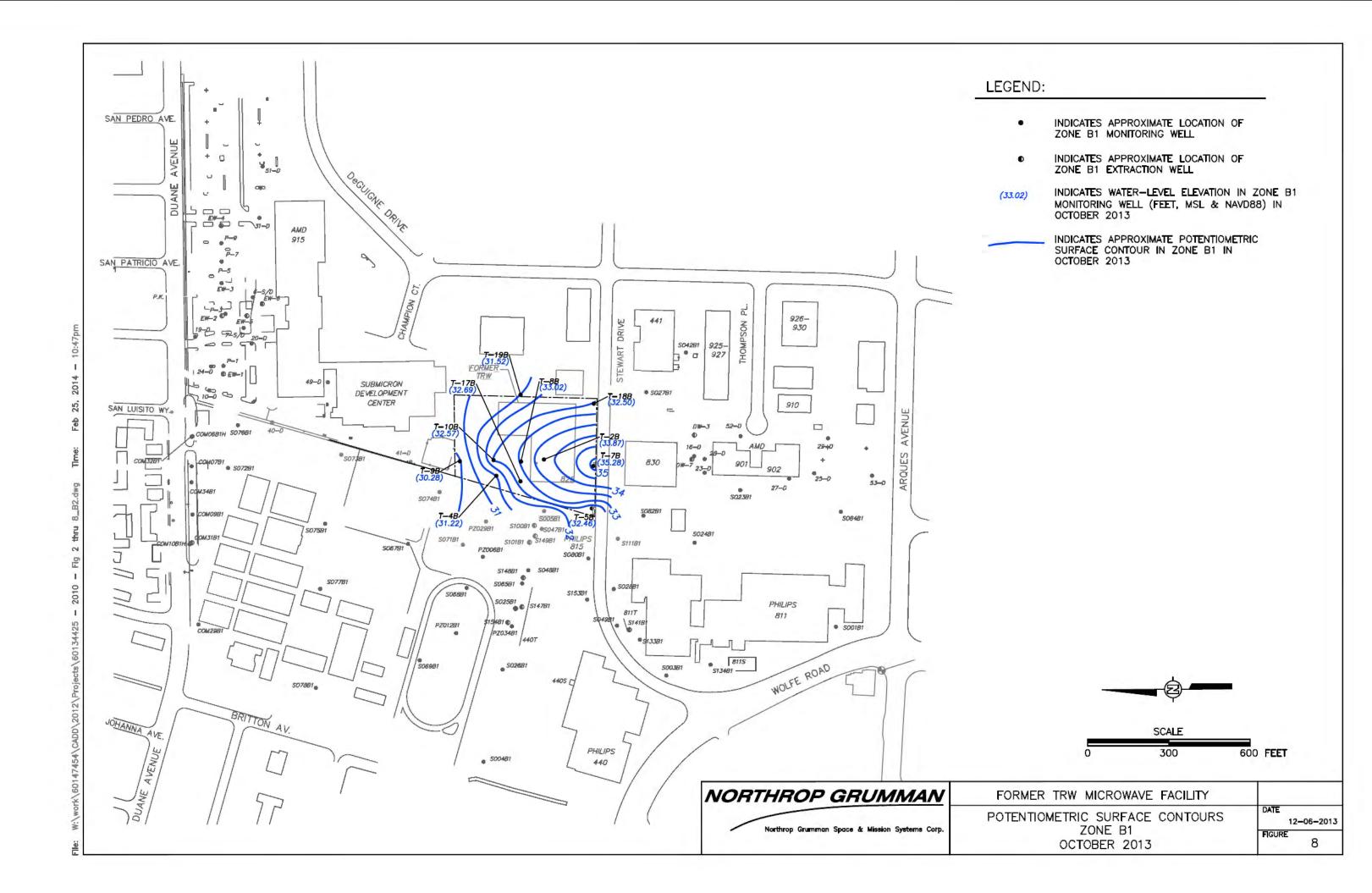


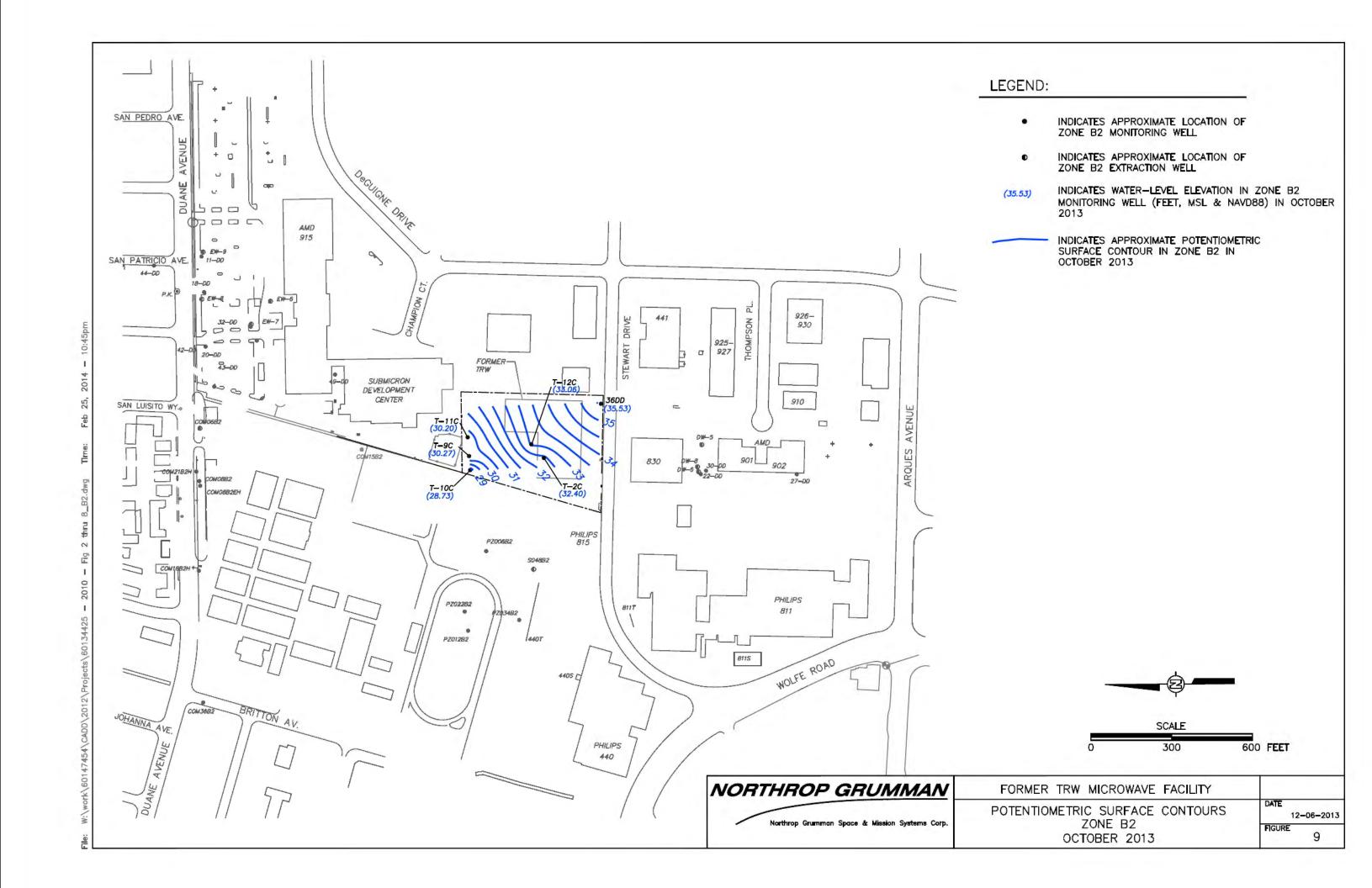




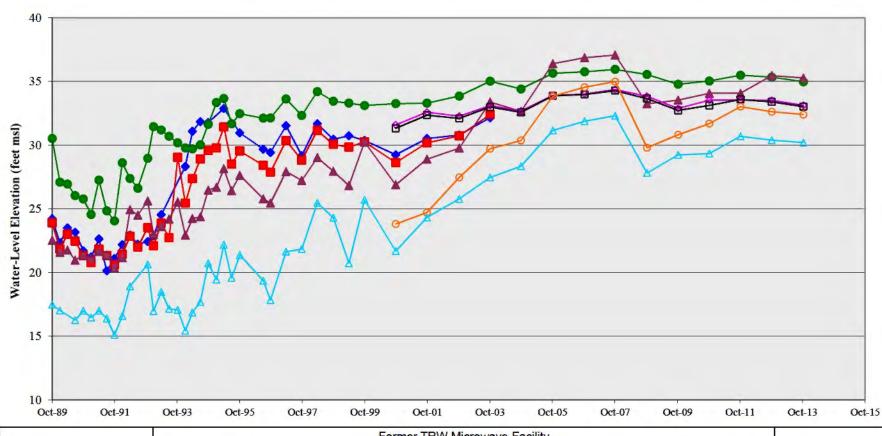




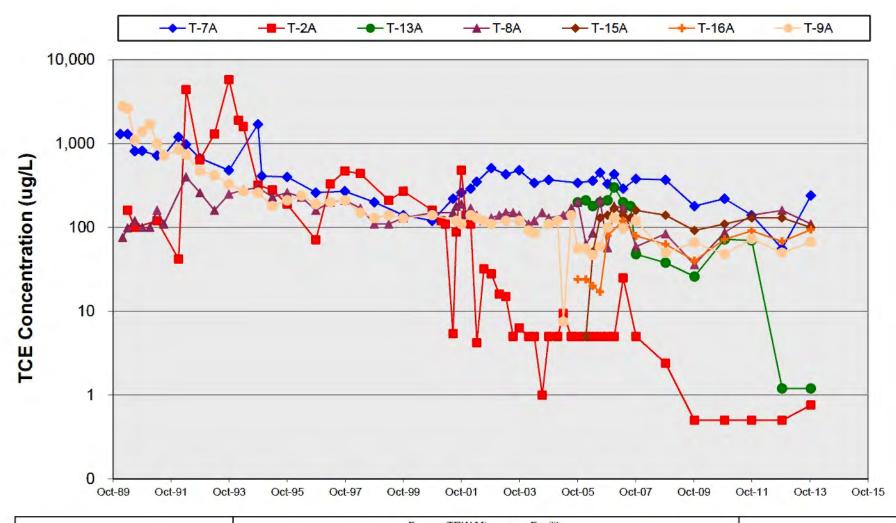








NORTHROP GRUMMAN Water-Level Elevations vs. Time - Wells T-1A, T-1B, T-7A, T-7B, T-8A, T-8B, T-2C, and T-11C Note: Per Water Board approval, wells T-1A and T-1B were abandoned in February 2004. Wells T-8A, T-8B, and T-2C were included in this figure starting with year 2000 data, corresponding with suspension of groundwater extraction at these wells. Elevations presented in NAVD88.



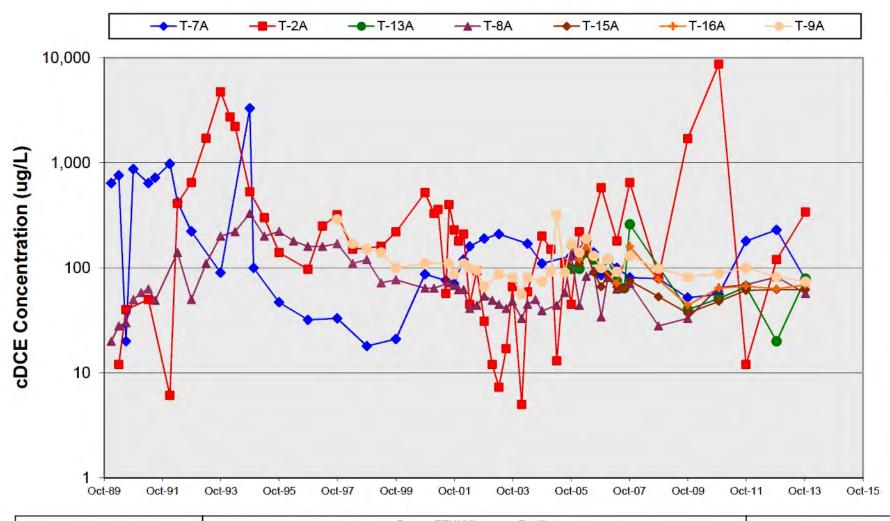
NORTHROP GRUMMAN

Former TRW Microwave Facility

TCE Concentrations vs. Time - Wells T-2A, T-7A, T-8A, T-9A, T-13A, T-15A, and T-16A

Note: For non-detects less than 5 ug/L, detection limit is presented for the data point. For non-detects greater than 5 ug/L, the data point has been omitted from the figure.

FIGURE 11



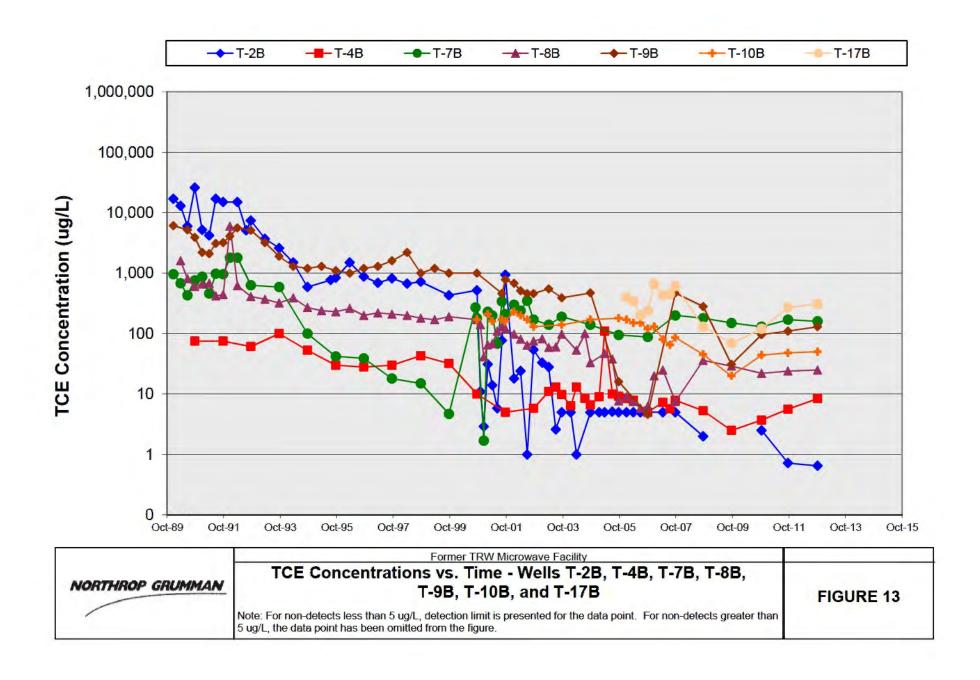
NORTHROP GRUMMAN

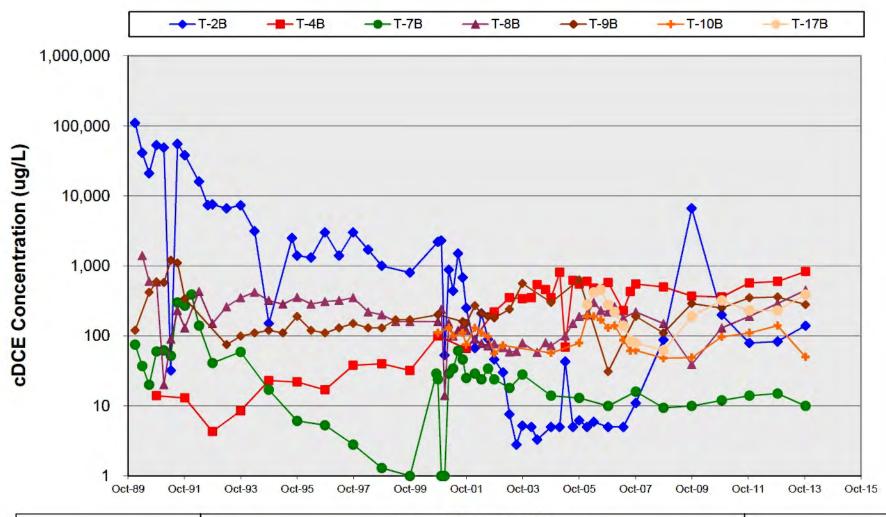
Former TRW Microwave Facility

cDCE Concentrations vs. Time - Wells T-2A, T-7A, T-8A, T-9A, T-13A, T-15A, and T-16A

Note: For non-detects less than 5 ug/L, detection limit is presented for the data point. For non-detects greater than 5 ug/L, the data point has been omitted from the figure. Data reported as total 1,2-DCE prior to 1996.

FIGURE 12



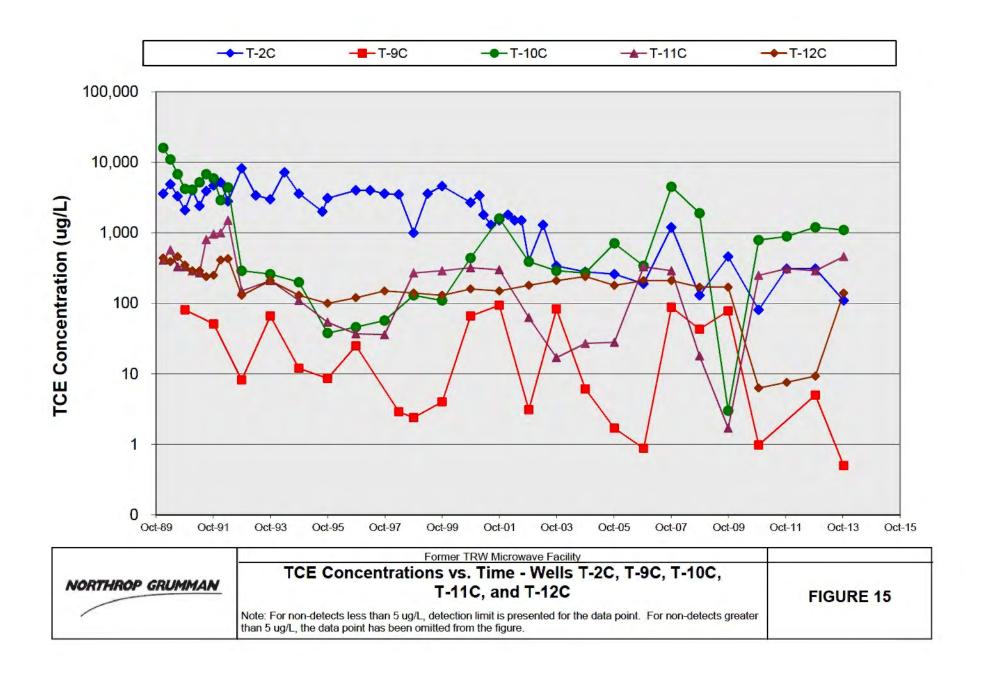


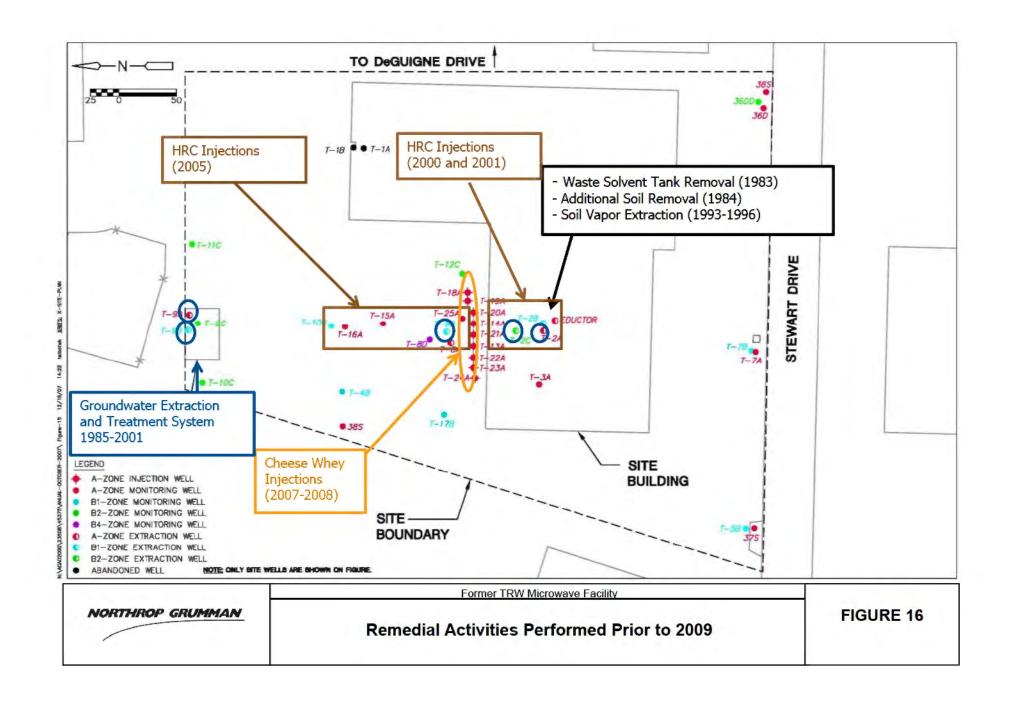
NORTHROP GRUMMAN

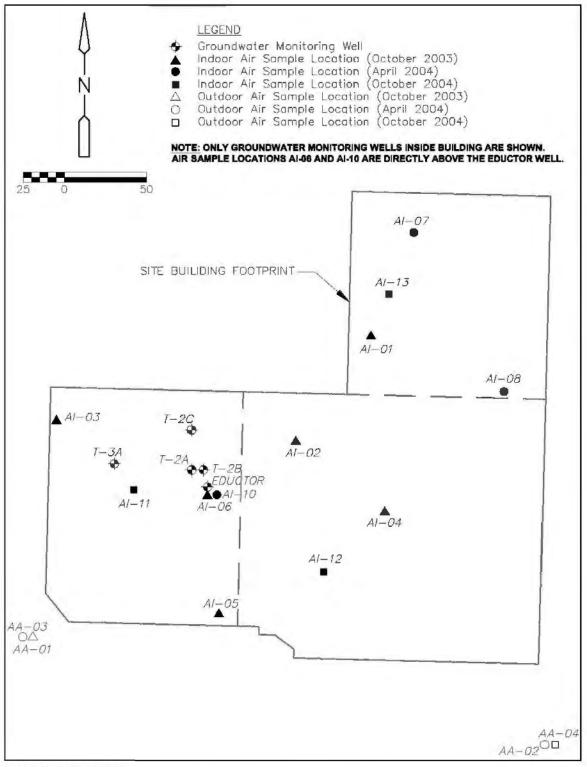
CDCE Concentrations vs. Time - Wells T-2B, T-4B, T-7B, T-8B,

T-9B, T-10B, and T-17B

Note: For non-detects less than 5 ug/L, detection limit is presented for the data point. For non-detects greater than 5 ug/L, the data point has been omitted from the figure. Data reported as lotal 1,2-DCE prior to 1996.

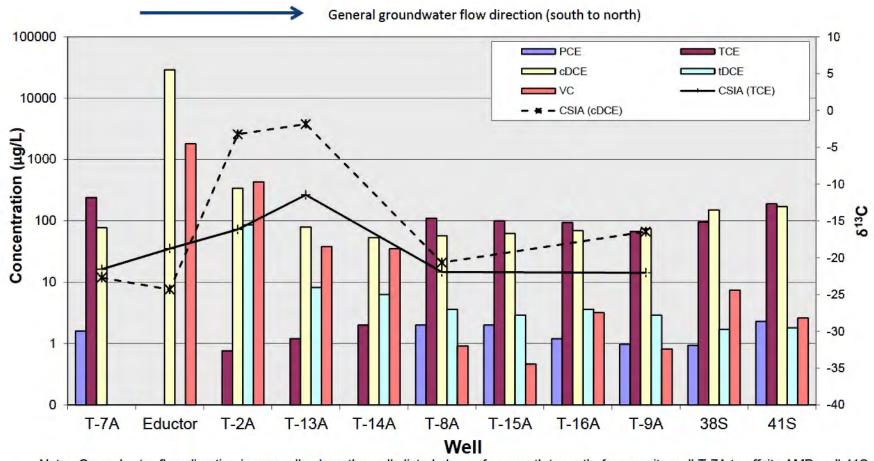






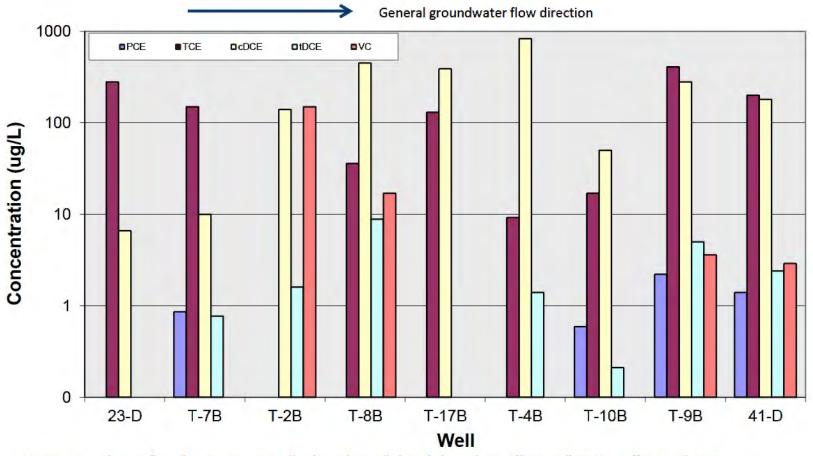
Adapted from CDM 2009.





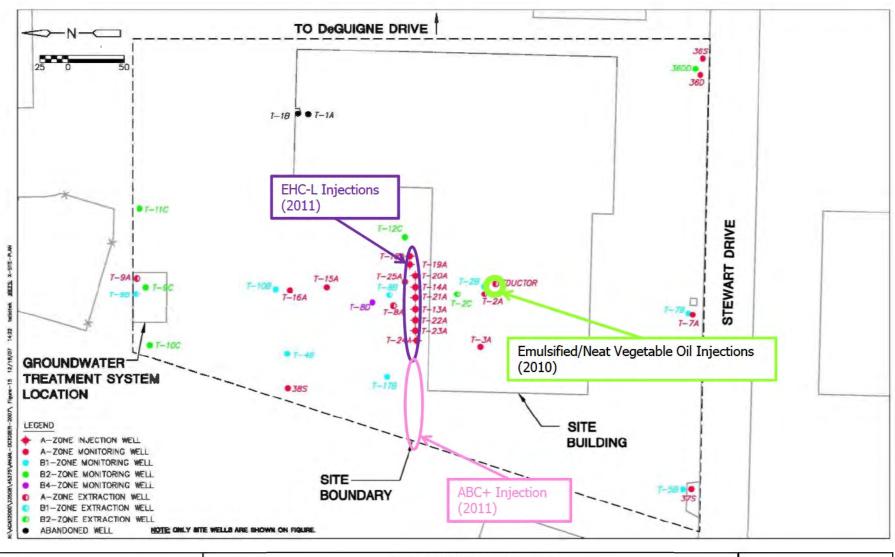
Note: Groundwater flow direction is generally along the wells listed above, from south to north, from onsite well T-7A to offsite AMD well 41S.

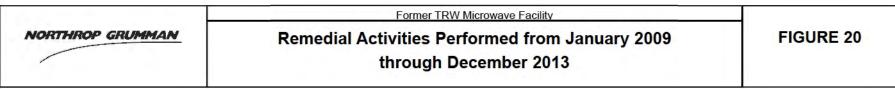
| NORTHROP GRUMMAN | Former TRW Microwave Facility | to the second |
|------------------|--|---------------|
| | Chlorinated Ethene Concentrations, Zone A - October 2013 | FIGURE 18 |



Note: Groundwater flow direction is generally along the wells listed above from offsite well 23-D to offsite well 41-D.

| | Former TRW Microwave Facility | |
|------------------|--|-----------|
| NORTHROP GRUMMAN | Chlorinated Ethene Concentrations, Zone B1 - October 2013 | FIGURE 19 |





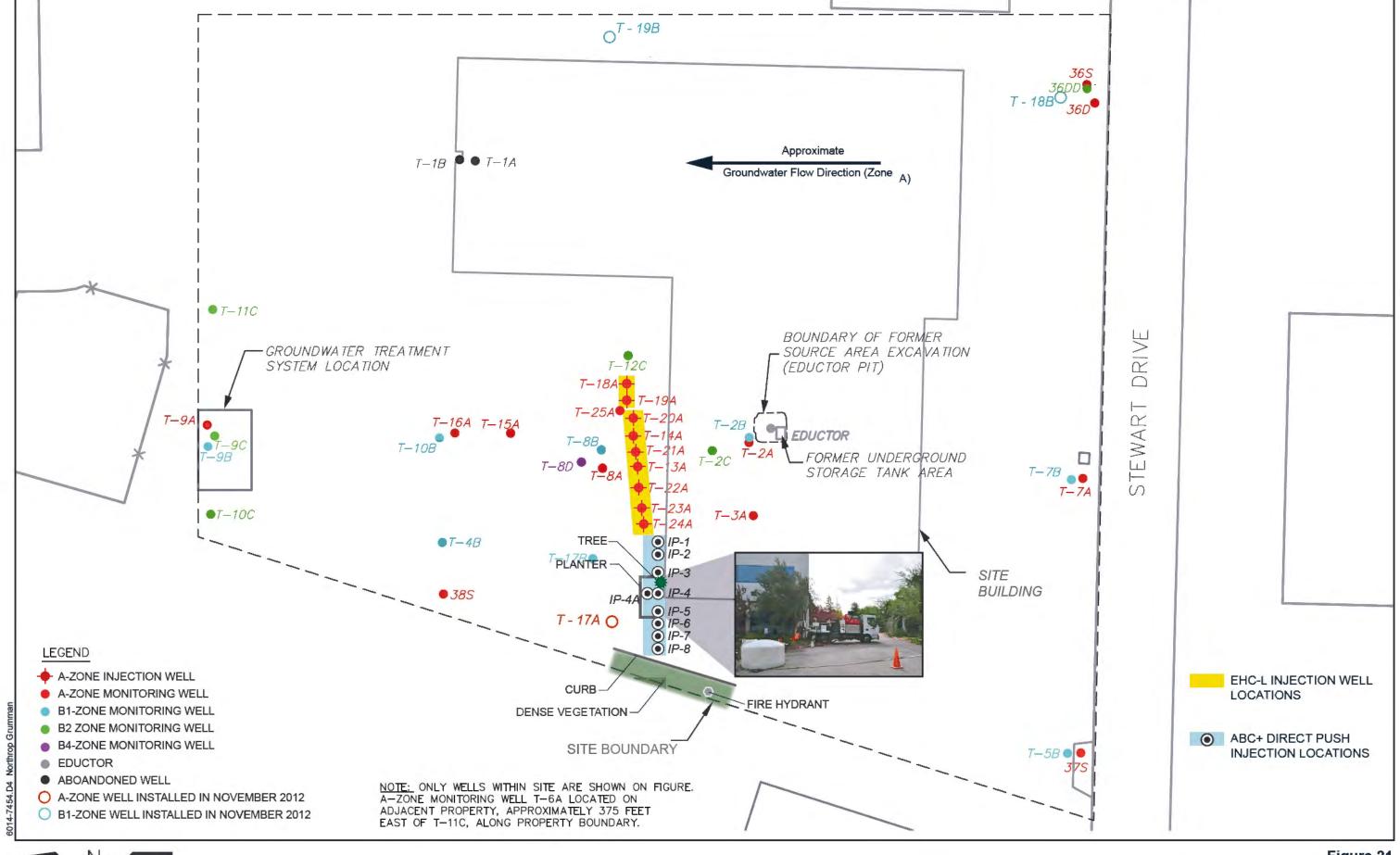
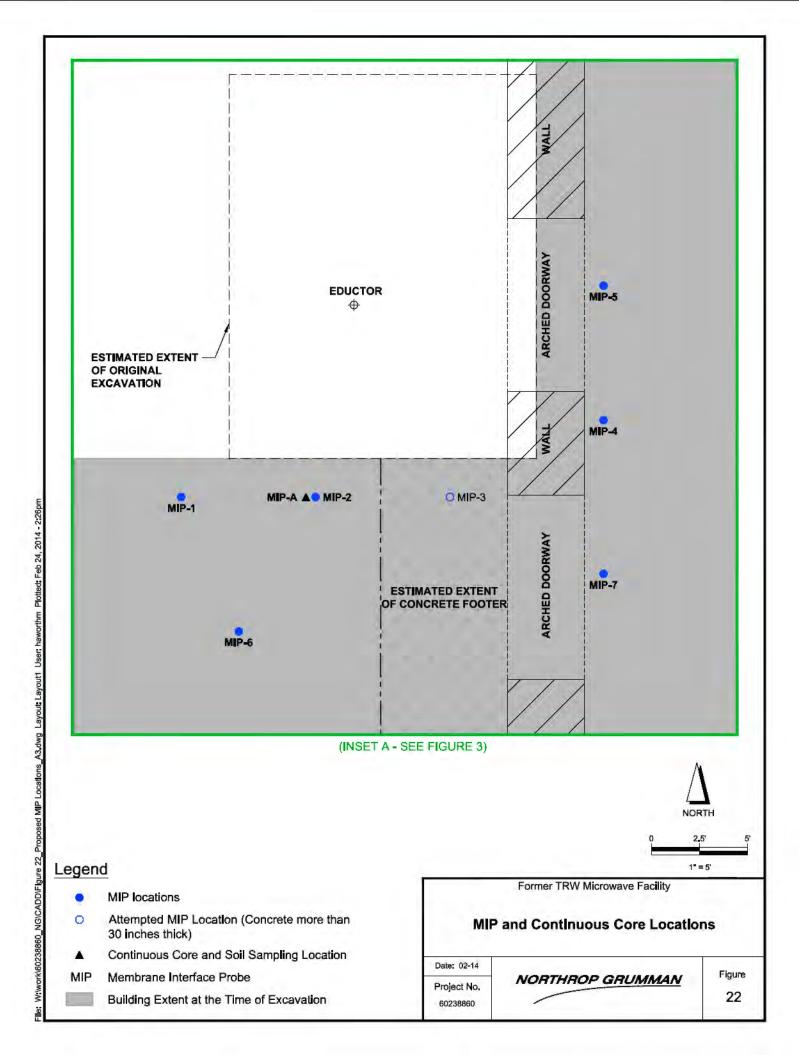
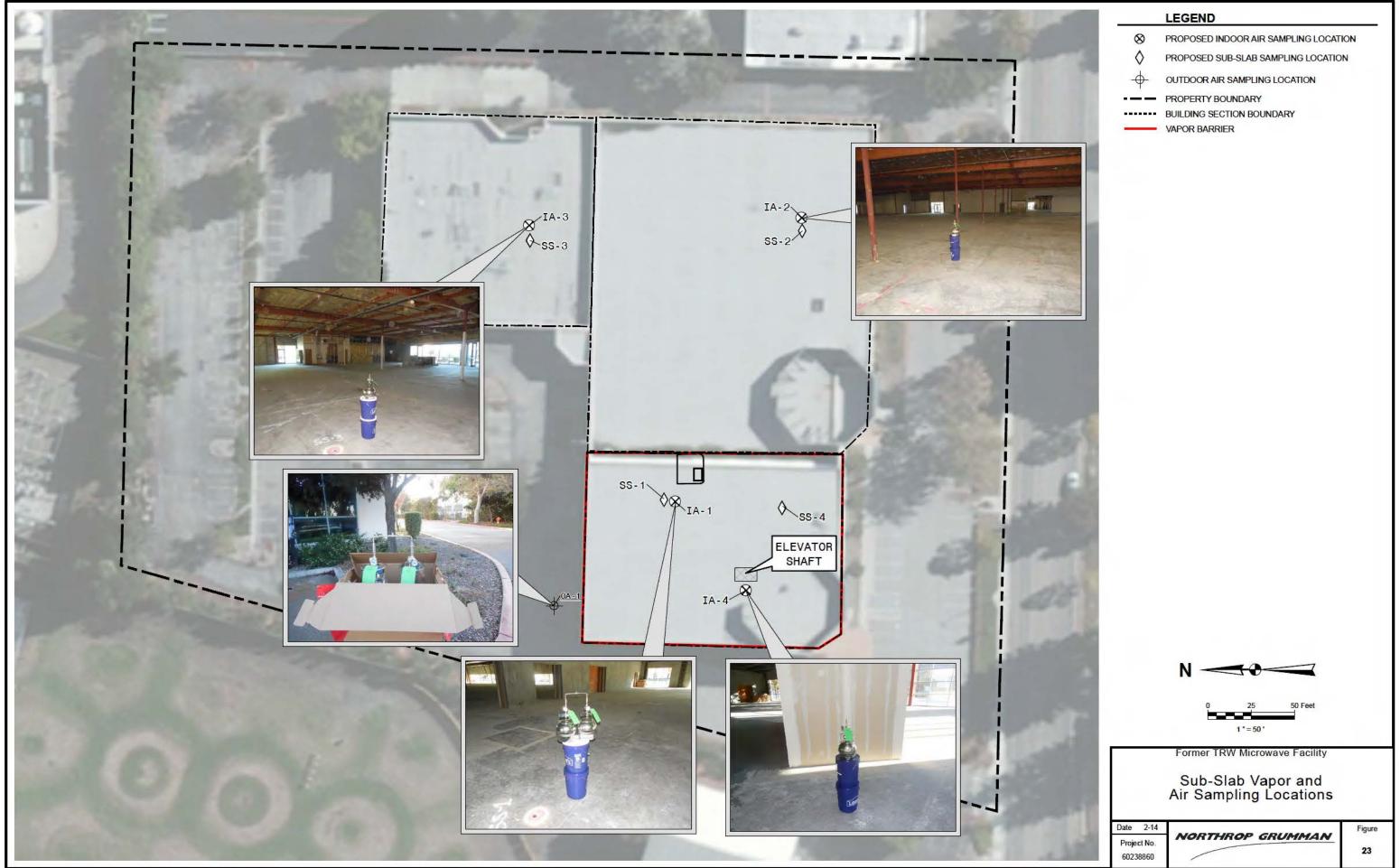
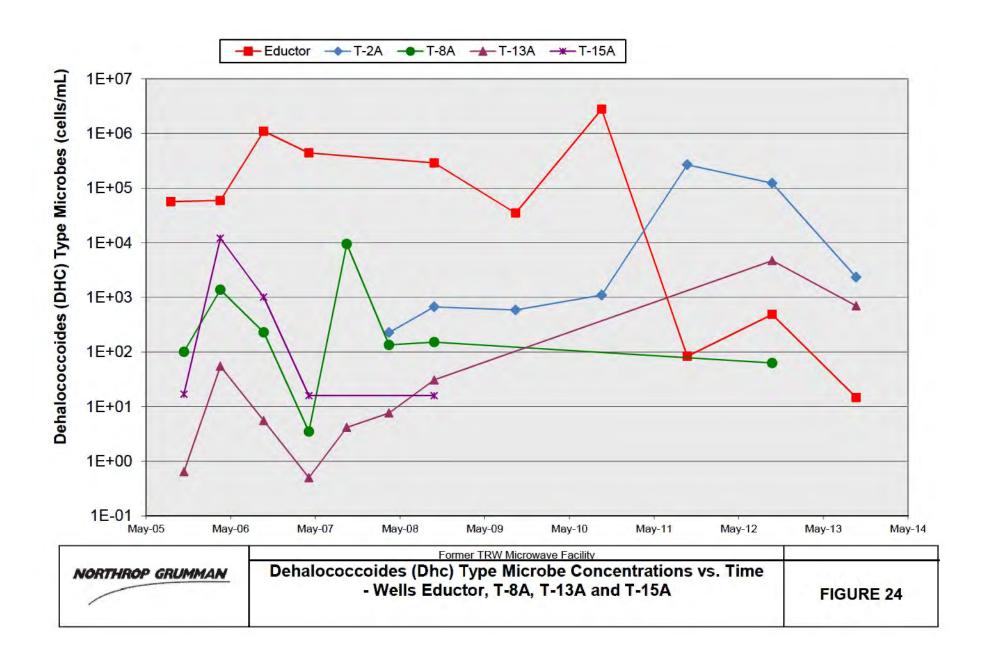


Figure 21
Injection Locations for November 2011
Enhanced Anaerobic Biodegradation Activities and New Well Locations









APPENDIX A

WELL COMPLETION AND SAMPLING INFORMATION

Appendix A Well Completion and Sampling Information Former TRW Microwave Facility 825 Stewart Drive, Sunnyvale, California

| Well Number | Zone | Screen Interval (feet bgs) | Total Depth (feet bgs) | Top of Casing Elevation (feet, MSL) | Sampling Schedule (annual quarters) | EPA Test Method |
|-------------|------|----------------------------|---------------------------|--|--|-----------------|
| EDUCTOR | Α | 8-16 | 16.5 | 42.24 | 4TH | 8260B |
| T-1A | Α | 10-20 | 20 | 41.16 | Well Abando | ned in 2004 |
| T-1B | B1 | 28-38 | 38 | 41.72 | Well Abando | ned in 2004 |
| T-2A | Α | 10-20 | 20 | 42.16 | 4TH | 8260B |
| T-2B | B1 | 23-33 | 33 | 42.23 | 4TH | 8260B |
| T-2C | B2 | 51-59 | 59 | 41.38 | 4TH | 8260B |
| T-3A | Α | 10-20 | 20 | 41.74 | 4TH | 8260B |
| T-4B | B1 | 31.5-41.5 | 42 | 40.93 | 4TH | 8260B |
| T-5B | B1 | 34.5-44.5 | 45 | 42.45 | 4TH | 8260B |
| T-6A | Α | 10-20 | 20 | 39.92 | 4TH | 8260B |
| T-7A | Α | 8-20 | 20 | 42.09 | 4TH | 8260B |
| T-7B | B1 | 34-41 | 41 | 42.01 | 4TH | 8260B |
| T-8A | Α | 8-19 | 19 | 40.38 | 4TH | 8260B |
| T-8B | B1 | 24-36 | 36 | 40.33 | 4TH | 8260B |
| T-8D | B4 | 90-102 | 102 | 40.35 | Sampling Susp | ended in 2002 |
| T-9A | Α | 7-19 | 19 | 39.22 | 4TH | 8260B |
| T-9B | B1 | 28-37 | 37 | 38.89 | 4TH | 8260B |
| T-9C | B2 | 55-65 | 65 | 38.81 | 4TH | 8260B |
| T-10B | B1 | 23-32 | 32 | 40.09 | 4TH | 8260B |
| T-10C | B2 | 49-59 | 60 | 39.76 | 4TH | 8260B |
| T-11C | B2 | 46-56 | 56 | 38.65 | 4TH | 8260B |
| T-12C | B2 | 45.5-55.5 | 56 | 40.74 | 4TH | 8260B |
| T-13A | Α | 10-20 | 20 | 40.76 | 4TH | 8260B |
| T-14A | Α | 10-20 | 20 | 40.62 | 4TH | 8260B |
| T-15A | Α | 10-20 | 20 | 40.11 | 4TH | 8260B |
| T-16A | Α | 10-20 | 20 | 40.02 | 4TH | 8260B |
| T-17A | Α | 10-20 | 20 | 38.23 | 4TH | 8260B |
| T-17B | B1 | 25-35 | 35 | 40.61 | 4TH | 8260B |
| T-18A | Α | 12-22 | 22 | TBD | 4TH | 8260B |
| T-18B | B1 | 41-46 | 46 | 38.78 | 4TH | 8260B |
| T-19A | Α | 10-20 | 22 | TBD | 4TH | 8260B |
| T-19B | B1 | 29-39 | 39 | 38.72 | 4TH | 8260B |
| T-20A | Α | 7-17 | 20 | TBD | 4TH | 8260B |
| T-21A | Α | 10-20 | 20 | TBD | 4TH | 8260B |
| T-22A | Α | 10-20 | 20 | TBD | 4TH | 8260B |
| T-23A | Α | 10-20 | 20 | TBD | 4TH | 8260B |
| T-24A | Α | 10-20 | 20 | TBD | 4TH | 8260B |
| T-25A | Α | 10-20 | 20 | TBD | 4TH | 8260B |
| 36S | Α | 10-16 | 16 | 41.46 | 4TH | + |
| 36D | Α | 15-20 | 20 | 41.26 | 4TH | + |
| 36DD | B2 | 51.5-61.5 | 61.5 | 41.58 | 4TH | + |
| 37S | Α | 9-15 | 15 | 42.06 | 4TH | + |
| 38S | Α | 9-15 | 15 | 41.05 | 4TH | 8260B |

Notes:

TBD = To be determined; well casing elevations have not been surveyed.

Top of casing elevations presented in NAVD88.

Eductor screen interval and total depth revised based on September 2010 well videolog

^{+ =} Sample collected and analyzed by AMD.

APPENDIX B

HISTORIC WATER LEVEL ELEVATION MEASUREMENTS

| Well | | Top of Casing Elevation | Date | Depth to Water (feet below | Water-Level Elevation |
|----------------|---------------|----------------------------|------------------|-------------------------------|--------------------------|
| Number | Zone | (feet, MSL) | Measured | top of casing) | (feet, MSL) |
| T-1A | Α | U T 44 | | 0004 | |
| er Water Board | d approval, w | ell T-1A was abando | | | 20.45 |
| | | | Oct-03 Oct-02 | 9.01 10.36 | 29.45 28.10 |
| | | -4 0 (| Oct-02 | 10.64 | 27.82 |
| | | | Oct-00 | 11.91 | 26.55 |
| | | | Oct-99 | 10.79 | 27.67 |
| | | | Apr-99 | 10.42 | 28.04 |
| | | | Oct-98 | 10.70 | 27.76 |
| | | _ | Арг-98 | 9.48 | 28.98 |
| | | 38.46 | Oct-97 | 11.99 | 26.47 |
| | | 00.10 | Арг-97 | 10.83 | 28.83 |
| | | | Oct-96 | 12.94 | 26.72 |
| | | | Jul-96 | 12.67 | 26.99 |
| | | | Oct-95 | 11.40 | 28.26 |
| | | | Jul-95 | NM | NA NA |
| | | | Apr-95 | 9.48 | 30.18 |
| | | | Jan-95 | NM | NA |
| | | | Oct-94 | 10.59 | 29.07 |
| | | | Jul-94 | 10.51 | 29.15 |
| | | | Арг-94 | 11.27 | 28.39 |
| | | | Jan-94 | 14.03 | 25.63 |
| | | | Oct-93 | NM | NA |
| | | | Jul-93 | NM | NA |
| | | | Арг-93 | 17.82 | 21.84 |
| | | | Jan-93 | 19.50 | 20.16 |
| | | | Oct-92 | 19.93 | 19.73 |
| | | | Jul-92 | 20.13 | 19.53 |
| | | | Apr-92 | 19.41 | 20.25 |
| | | | Jan-92 | 20.17 | 19.49 |
| | | | Oct-91 | 21.27 | 18.39 |
| | | | Jul-91 | 22.22 | 17.44 |
| | | | Apr-91 | 19.72 | 19.94 |
| | | | Jan-91 | 21.15 | 18.51 |
| | | | Oct-90 | 20.66 | 19.00 |
| | | | Jul-90 | 19.20 | 20.46 |
| | | | Арг-90 | 18.86 | 20.80 |
| | | | Jan-90 | 20.03 | 19.63 |
| | | | Oct-89 | 18.13 | 21.53 |
| | | | Sep-89 | 17.87 | 21.79 |
| | | | Арг-89 | 18.63 | 21.03 |
| | | 39.66 | Jan-89 | 15.07 | 24.59 |
| | | | Oct-88 | 15.17 | 22.31 |
| | | | Jul-88 | 14.69 | 22.79 |
| | | | Арг-88 | 12.62 | 24.86 |
| | | | Feb-88 | 11.70 | 25.78 |
| | | | Nov-87 | 11.64 | 25.84 |
| | | | Oct-87 | 9.75 | 27.73 |
| | | | Jul-86 | 8.93 | 28.55 |
| | | | May-86 | 8.15 | 29.33 |
| | | | Apr-86 | 8.50 | 28.98 |
| | | 2010 | Mar-86 | 6.35 | 31.13 |
| | | 37.48 | Jan-86 | 7.50 | 29.98 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|--------|---|------------------|---|---|
| T-2A | A | , , j | Oct-13 | 8.53 | 33.63 |
| 44.4 | 1 9/31 | | Oct-12 | 8.03 | 34.13 |
| | | | Oct-11 | 8.01 | 34.15 |
| | | | Oct-10 | top of casing) 8.53 8.03 8.01 8.45 8.78 7.83 7.39 7.69 7.82 9.02 8.56 9.42 11.46 13.22 16.87 14.51 Dry 12.08 16.70 17.32 12.56 17.45 18.60 19.25 17.91 18.65 Dry 18.97 Dry 18.47 Dry 17.54 17.34 Dry 16.61 15.26 16.91 16.37 17.16 16.66 NM 10.18 16.64 16.06 17.40 12.88 15.77 16.31 12.55 15.50 15.88 15.59 15.32 11.74 | 33.71 |
| | | | Oct-09 | | 33.38 |
| | | | Oct-08 | | 34.33 |
| | | 42.16 | Oct-07 | | 34.77 |
| | | | Oct-06 | | 31.77 |
| | | | Oct-05 | | 31.64 |
| | | | Oct-04 | | 30.44 |
| | | | Oct-03 | 8.56 | 30.90 |
| | | 39.46 | Oct-02 | | 30.04 |
| | | | Oct-01 | 11.46 | 29.53 |
| | | | Oct-00 | 13.22 | 27.77 |
| | | | Oct-99 | | 24.12 |
| | | | Apr-99 | | 26.48 |
| | | | Oct-98 | | NA |
| | | | Apr-98 | | 28.91 |
| | | 40.99 | Oct-97 | | 24.29 |
| | | 77.7 | Apr-97 | | 22.36 |
| | | | Oct-96 | | 27.12 |
| | | | Jul-96 | | 22.23 |
| | | | Oct-95 | 1000000000 | 21.08 |
| | | | Jul-95 | | 20.43 |
| | | | Apr-95 | 17.91 | 21.77 |
| | | | Jan-95 | 18.65 | 21.03 |
| | | | Oct-94 | | NA |
| | | | Jul-94 | | 20.71 |
| | | | Apr-94 | Dry | NA |
| | | | Jan-94 | | 21.21 |
| | | | Oct-93 | 100000000000000000000000000000000000000 | NA |
| | | | Jul-93 | | 22.14 |
| | | | Apr-93 | 17.34 | 22.34 |
| | | | Jan-93 | Dry | NA |
| | | | Oct-92 | 16.61 | 23.07 |
| | | | Jul-92 | 15.26 | 24.42 |
| | | | Apr-92 | 16.91 | 22.77 |
| | | | Jan-92 | 16.37 | 23.31 |
| | | | Oct-91 | 17.16 | 22.52 |
| | | | Jul-91 | 16.66 | 23.02 |
| | | | Apr-91 | | NA |
| | | | Jan-91 | | 29.50 |
| | | | Oct-90 | | 23.04 |
| | | | Jul-90 | | 23.62 |
| | | | Apr-90 | | 22.28 |
| | | | Jan-90 | | 26.80 |
| | | | Oct-89 | | 23.91 |
| | | | Sep-89 | | 23.37 |
| | | | Apr-89 | | 27.13 |
| | | 39.68 | Jan-89 | | 24.18 |
| | | | Oct-88 | | 23.77 |
| | | | Jul-88 | | 24.06 |
| | | | Apr-88 | | 24.33 |
| | | | Feb-88 | | 27.91 |
| | | | Nov-87 | 12.15 | 27.50 |
| | | | Oct-87 | 10.67 | 28.98 |
| | | | Jul-86 | 12.73 | 26.92 |
| | 1 1 | 39.65 | May-86 | 23.00 | 16.65 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|--|---|
| T-3A | A | (1001) 11102) | Oct-13 | 7.99 | 33.75 |
| | 373 | | Oct-12 | (feet below top of casing) 7.99 7.59 7.48 7.92 8.32 7.28 6.78 7.11 7.25 8.56 8.07 8.90 9.23 9.97 9.69 9.46 6.52 8.42 10.82 10.03 11.69 11.37 11.73 11.42 9.70 10.35 10.72 13.34 13.64 14.04 13.73 13.12 10.95 11.34 11.00 14.90 11.28 12.25 11.06 12.50 11.06 12.50 11.80 10.65 12.57 10.02 10.04 9.12 NMM 9.75 10.01 9.30 9.62 9.78 8.68 9.89 | 41.74 |
| | | | Oct-11 | 7.48 | 34.26 |
| | | | Oct-10 | (feet below top of casing) 7.99 7.59 7.48 7.92 8.32 7.28 6.78 7.11 7.25 8.56 8.07 8.90 9.23 9.97 9.69 9.46 6.52 8.42 10.82 10.03 11.69 11.37 11.73 11.42 9.70 10.35 10.72 13.34 13.64 14.04 13.73 13.12 10.95 11.34 11.00 14.90 11.28 12.25 11.06 12.50 11.80 10.65 12.57 10.22 10.17 | 33.82 |
| | | | Oct-09 | 8.32 | 33.42 |
| | | 1.00 | Oct-08 | | 34.46 |
| | | 41.74 | Oct-07 | | 34.96 |
| | | | Oct-06 | | 31.93 |
| | | | Oct-05 | | 31.79 |
| | | | Oct-04 | | 30.48 |
| | | | Oct-03 | | 30.97 |
| | | | Oct-02 | | 30.14 |
| | | | Oct-01 | | 29.81 |
| | | | Oct-00 | | 29.07 |
| | | | Oct-99 | | 29.35 |
| | | | Apr-99 | | 29.58 |
| | | | Oct-98 | | 32.52 |
| | | 20.04 | Apr-98 | | 30.62 |
| | | 39.04 | Oct-97 | | 28.22 |
| | | | Apr-97 | | 29.44 |
| | | | Oct-96 | | 27.78 |
| | | | Jul-96 Oct-95 | 0.0000 | 28.10 27.74 |
| | | | | | |
| | | | Jul-95 | | 28.05 29.77 |
| | | | Apr-95 | | |
| | | | Jan-95 | | 29.12 28.75 |
| | | | Oct-94 Jul-94 | | 26.13 |
| | | | Apr-94 | | 25.83 |
| | | | Jan-94 | | 25.43 |
| | | | Oct-93 | | 25.74 |
| | | | Jul-93 | | 26.35 |
| | | | Apr-93 | | 28.52 |
| | | | Jan-93 | | 28.13 |
| | | | Oct-92 | | 28.47 |
| | | | Jul-92 | | 24.57 |
| | | | Apr-92 | | 28.19 |
| | | | Jan-92 | | 27.22 |
| | | | Oct-91 | | 28.41 |
| | | | Jul-91 | | 26.97 |
| | | | Apr-91 | | 27.67 |
| | | | Jan-91 | | 28.82 |
| | | | Oct-90 | | 26.90 |
| | | | Jul-90 | | 29.25 |
| | | | Apr-90 | | 29.30 |
| | | | Jan-90 | | 29.74 |
| | | | Oct-89 | 10.76 | 28.71 |
| | | | Sep-89 | | 29.43 |
| | | | Apr-89 | | 30.35 |
| | | 39.47 | Jan-89 | | NA |
| | | | Oct-88 | | 29.91 |
| | | | Jul-88 | | 29.65 |
| | | | Apr-88 | | 30.36 |
| | | | Feb-88 | | 30.04 |
| | | | Nov-87 | | 29.88 |
| | | | Oct-87 | | 30.98 |
| | | | Jul-86 | | 29.77 |
| | | | May-86 | 9.75 | 29.91 |
| | | | Apr-86 | 9.50 | 30.16 |
| | | | Mar-86 | 7.16 | 32.50 |
| | 1 1 | 39.66 | Jan-86 | 7.90 | 31.76 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|---|---|
| T-6A | A | (1001, 11102) | Oct-13 | NM | (1001, 11102) |
| I-OA | 1 49 | | Oct-12 | NM | |
| | | | Oct-11 | NM | >=< |
| | | | Oct-10 | NM | |
| | | | Oct-09 | 8.42 | 31.50 |
| | | | Oct-08 | NM | - L |
| | | 39.92 | Oct-07 | 8.00 | 31.92 |
| | | 10.54 | Oct-06 | 8.21 | 29.01 |
| | | | Oct-05 | 8.45 | 28.77 |
| | | | Oct-03 | 7.29 | 29.93 |
| | | | Oct-02 | 8.31 | 28.91 |
| | | | Oct-01 | 8.40 | 28.82 |
| | | | Oct-00 | 10.55 | 26.67 |
| | | | Oct-99 | 10.37 | 26.85 |
| | [| | Apr-99 | 9.96 | 27.26 |
| | [| | Oct-98 | 10.17 | 27.05 |
| | | 1,000,000 | Apr-98 | 9.02 | 28.20 |
| | | 37.22 | Oct-97 | 11.23 | 25.99 |
| | [| | Apr-97 | 10.05 | 27.76 |
| | | | Oct-96 | 11.69 | 26.12 |
| | | | Jul-96 | 11.77 | 26.04 |
| | | | Oct-95 | 11.40 | 26.41 |
| | | | Jul-95 | 11.17 | 26.64 |
| | | | Apr-95 | 8.89 | 28.92 |
| | | | Jan-95 | 10.66 | 27.15 |
| | | | Oct-94 Jul-94 | 10.80 | 27.01 |
| | | | Apr-94 | 11.54 11.90 | 26.27 25.91 |
| | | | Jan-94 | 12.48 | 25.33 |
| | | | Oct-93 | 11.28 | 26.53 |
| | | | Jul-93 | 12.48 | 25.33 |
| | | | Арг-93 | 11.63 | 26.18 |
| | | | Jan-93 | 12.98 | 24.83 |
| | | | Oct-92 | 13.08 | 24.73 |
| | | | Jul-92 | 14.20 | 23.61 |
| | | | Apr-92 | 14.47 | 23.34 |
| | | | Jan-92 | 16.33 | 21.48 |
| | | | Oct-91 | 15.73 | 22.08 |
| | | | Jul-91 | 14.79 | 23.02 |
| | | | Apr-91 | 15.33 | 22.48 |
| | | | Jan-91 | 16.03 | 21.78 |
| | | | Oct-90 | 16.12 | 21.69 |
| | | | Jul-90 | NM | NA |
| | | | Apr-90 | 15.29 | 22.52 |
| | | | Jan-90 | 15.44 | 22.37 |
| | | | Oct-89 | 14.92 | 22.89 |
| | | | Sep-89 | 14.76 | 23.05 |
| | | 07.04 | Apr-89 | 14.34 | 23.47 |
| | | 37.81 | Jan-89 | 13.42 | 24.39 |
| | | | Oct-88 | 13.35 | 24.64 |
| | | | Jul-88 | 12.95 | 25.04 |
| | | | Apr-88 | 12.61 12.15 | 25.38 |
| | | | Feb-88 | | 25.84 |
| | | | Nov-87 Oct-87 | 12.30 11.63 | 25.69 26.36 |
| | | | Jul-86 | 10.14 | 27.85 |
| | [| | May-86 | 9.85 | 28.14 |
| | 1 | 37.99 | Jan-86 | 9.75 | 30.17 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|--------|---|------------------|---|---|
| T-7A | A | (1001, 11102) | Oct-13 | 7.11 | 34.98 |
| | 1 (23) | | Oct-12 | 6.75 | 35.34 |
| | | | Oct-11 | 6.60 | 35.49 |
| | | | Oct-10 | 7.05 | 35.04 |
| | | | Oct-09 | 7.31 | 34.78 |
| | | | Oct-08 | 6.54 | 35.55 |
| | | 42.09 | Oct-07 | 6.14 | 35.95 |
| | | 12.00 | Oct-06 | 6.33 | 33.06 |
| | | | Oct-05 | 6.44 | 32.95 |
| | | | Oct-04 | 7.68 | 31.71 |
| | | | Oct-03 | 7.07 | 32.32 |
| | | 39.39 | Oct-02 | 8.23 | 31.16 |
| | | 33.33 | Oct-02 | 8.37 | 30.60 |
| | | | Oct-00 | 8.41 | 30.56 |
| | | | Oct-99 | 8.55 | 30.42 |
| | | | Арг-99 | 8.37 | 30.60 |
| | | | Oct-98 | 8.22 | 30.75 |
| | | | | 7.46 | 31.51 |
| | | 38.97 | Apr-98 Oct-97 | 9.34 | 29.63 |
| | | 30.91 | | | |
| | | | Apr-97 | 8.60 | 30.93 |
| | | | Oct-96 | 10.10 | 29.43 |
| | | | Jul-96 | 10.11 | 29.42 |
| | | | Oct-95 | 9.76 | 29.77 |
| | | | Jul-95 | 10.55 | 28.98 |
| | | | Apr-95 | 8.56 | 30.97 |
| | | | Jan-95 | 8.88 | 30.65 |
| | | | Oct-94 | 10.60 | 28.93 |
| | | | Jul-94 | 12.21 | 27.32 |
| | | | Apr-94 | 12.52 | 27.01 |
| | | | Jan-94 | 12.45 | 27.08 |
| | | | Oct-93 | 12.04 | 27.49 |
| | | | Jul-93 | 11.53 | 28.00 |
| | | | Apr-93 | 11.04 | 28.49 |
| | | | Jan-93 | 10.77 | 28.76 |
| | | | Oct-92 | 13.26 | 26.27 |
| | | | Jul-92 | 15.61 | 23.92 |
| | | | Apr-92 | 14.84 | 24.69 |
| | | | Jan-92 | 13.61 | 25.92 |
| | | | Oct-91 | 18.18 | 21.35 |
| | | | Jul-91 | 17.39 | 22.14 |
| | | | Apr-91 | 14.97 | 24.56 |
| | | | Jan-91 | 17.67 | 21.86 |
| | | | Oct-90 | 16.46 | 23.07 |
| | | | Jul-90 | 16.19 | 23.34 |
| | | | Apr-90 | 15.29 | 24.24 |
| | | | Jan-90 | 15.13 | 24.40 |
| | | | Oct-89 | 11.71 | 27.82 |
| | | | Sep-89 | 10.17 | 29.36 |
| | | | Apr-89 | 12.21 | 27.32 |
| | | 39.53 | Jan-89 | 11.84 | 27.69 |
| | | 50.00 | Oct-88 | 11.36 | 28.21 |
| | | | Jul-88 | 11.22 | 28.35 |
| | | | Арг-88 | 10.71 | 28.86 |
| | | | Feb-88 | 10.09 | 29.48 |
| | | | Nov-87 | 9.89 | 29.68 |
| | | | Oct-87 | 9.01 | 30.56 |
| | | | Jul-86 | 8.13 | 31.44 |
| | | | | 8.13 8.19 | |
| | | | May-86 | | 31.38 |
| | | | Apr-86 | 7.80 | 31.77 |
| | | | Mar-86 | 6.20 | 33.37 |
| | | 39.57 | Mar-86 Jan-86 | 6.05 7.90 | 33.52 34.19 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|-------|---|------------------|---|---|
| T-8A | A | (root, moz) | Oct-13 | | 33.13 |
| | 1 123 | | Oct-12 | | 33.52 |
| | | | Oct-11 | | 33.70 |
| | | | Oct-10 | | 33.53 |
| | | | Apr-10 | 6.16 | 34.22 |
| | | | Oct-09 | | 32.88 |
| | | | Oct-08 | | 33.84 |
| | | 40.38 | Oct-07 | | 34.36 |
| | | | Oct-06 | | 31.33 |
| | | | Oct-05 | | 31.20 |
| | | | Oct-04 | 7.70 | 29.98 |
| | | | Oct-03 | 7.27 | 30.41 |
| | | 37.68 | Oct-02 | | 29.58 |
| | | 120122 | Oct-01 | | 29.89 |
| | | | Oct-00 | | 28.89 |
| | | | Oct-99 | 8.88 | 29.44 |
| | [| | Арг-99 | | 29.57 |
| | [| | Oct-98 | | 29.05 |
| | [| | Apr-98 | | 30.11 |
| | | 38.32 | Oct-97 | 10.95 | 27.37 |
| | | | Apr-97 | 10.95 | 27.37 |
| | | | Oct-96 | 13.00 | 25.32 |
| | | | Jul-96 | 13.09 | 25.23 |
| | | | Oct-95 | 16.02 | 22.30 |
| | | | Jul-95 | 15.90 | 22.42 |
| | | | Apr-95 | 12.76 | 25.56 |
| | | | Jan-95 | 11.91 | 26.41 |
| | | | Oct-94 | 11.95 | 26.37 |
| | | | Jul-94 | 12.67 | 25.65 |
| | | | Арг-94 | | 25.12 |
| | | | Jan-94 | 13.97 | 24.35 |
| | | | Oct-93 | 15.78 | 22.54 |
| | | | Jul-93 | 12.52 | 25.80 |
| | | | Apr-93 | 15.57 | 22.75 |
| | | | Jan-93 | 12.92 | 25.40 |
| | | | Oct-92 | 13.23 | 25.09 |
| | | | Jul-92 | 14.08 | 24.24 |
| | | | Apr-92 | 14.76 | 23.56 |
| | | | Jan-92 | 15.40 | 22.92 |
| | [| | Oct-91 | 15.68 | 22.64 |
| | | | Jul-91 | | 23.11 |
| | [| | Apr-91 | | 23.78 |
| | [| | Jan-91 | | 22.48 |
| | [| | Oct-90 | | 22.86 |
| | [| | Jul-90 | | 23.59 |
| | [| | Apr-90 | | 23.21 |
| | | | Jan-90 | | 24.22 |
| | [| | Oct-89 | | 21.65 |
| | [| | Sep-89 | | 23.92 |
| | [| 5.076.7 | Apr-89 | | 23.26 |
| | [| 38.32 | Jan-89 | | NA |
| | | | Oct-88 | | 23.59 |
| | [| | Jul-88 | | 22.51 |
| | [| | Apr-88 | | NA |
| | [| | Feb-88 | 11.09 | 27.27 |
| | [| | Nov-87 | 10.70 | 27.66 |
| | [| | Oct-87 | 9.66 | 28.70 |
| | | | Jul-86 | 13.34 | 25.02 |
| | [| 362.6.0 | May-86 | 11.55 | 26.81 |
| | | 38.36 | Mar-86 | 6.11 | 34.27 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | (feet below | Water-Level Elevation (feet, MSL) |
|----------------|--------|---|------------------|---|---|
| T-9A | A | (root, moz) | Oct-13 | | 31.51 |
| | 1 (22) | | Oct-12 | top of casing) 7.71 7.26 7.07 7.53 7.89 6.80 6.33 6.77 6.53 7.84 7.51 8.27 8.67 11.30 9.94 10.07 9.17 8.57 11.29 9.88 11.03 10.67 11.33 11.00 8.84 11.12 12.72 12.85 12.93 15.20 13.26 12.80 14.12 Dry 13.21 13.97 14.52 15.04 15.34 14.94 14.31 15.57 15.26 14.58 14.10 14.09 14.63 13.43 12.54 12.80 11.98 9.66 12.12 11.85 | 31.96 |
| | | | Oct-11 | | 32.15 |
| | | | Oct-10 | | 31.69 |
| | | | Oct-09 | | 31.33 |
| | | | Oct-08 | | 32.42 |
| | | 39.22 | Oct-07 | | 32.89 |
| | | 36.52 | Oct-06 | | 23.02 |
| | | | Oct-05 | | 30.68 |
| | | | Oct-04 | | 29.37 |
| | | | Oct-03 | 7.51 | 29.70 |
| | | | Oct-02 | | 28.94 |
| | | | Oct-01 | | 28.54 |
| | | | Oct-00 | | 25.91 |
| | | | Oct-99 | | 27.27 |
| | | | Арг-99 | 10.07 | 27.14 |
| | | | Oct-98 | | 28.04 |
| | | | Apr-98 | | 28.64 |
| | | 37.21 | Oct-97 | | 25.92 |
| | | | Apr-97 | 9.88 | 27.34 |
| | | | Oct-96 | 11.03 | 26.19 |
| | | | Jul-96 | 10.67 | 26.55 |
| | | | Oct-95 | 11.33 | 25.89 |
| | | | Jul-95 | 11.00 | 26.22 |
| | | | Apr-95 | 8.84 | 28.38 |
| | | | Jan-95 | 11.12 | 26.10 |
| | | | Oct-94 | | 24.50 |
| | | | Jul-94 | 12.85 | 24.37 |
| | | | Apr-94 | 12.93 | 24.29 |
| | | | Jan-94 | | 22.02 |
| | | | Oct-93 | 13.26 | 23.96 |
| | | | Jul-93 | 12.80 | 24.42 |
| | | | Apr-93 | 14.12 | 23.10 |
| | | | Jan-93 | Dry | NA |
| | | | Oct-92 | 13.21 | 24.01 |
| | | | Jul-92 | 13.97 | 23.25 |
| | | | Apr-92 | 14.52 | 22.70 |
| | | | Jan-92 | 15.04 | 22.18 |
| | | | Oct-91 | 15.34 | 21.88 |
| | | | Jul-91 | | 22.28 |
| | | | Apr-91 | | 22.91 |
| | | | Jan-91 | | 21.65 |
| | | | Oct-90 | | 21.96 |
| | | | Jul-90 | | 22.64 |
| | | | Apr-90 | | 23.12 |
| | | | Jan-90 | | 23.13 |
| | | | Oct-89 | | 22.59 |
| | | | Sep-89 | | 23.79 |
| | | | Apr-89 | | 24.68 |
| | | 37.22 | Jan-89 | | 24.89 |
| | | | Oct-88 | | 24.88 |
| | | | Jul-88 | | 25.37 |
| | | | Apr-88 | | 25.21 |
| | | | Feb-88 | | 24.42 |
| | | | Nov-87 | | 25.24 |
| | | | Oct-87 | | 27.56 |
| | | | May-86 | | 25.10 |
| | | | Mar-86 | | 25.37 |
| | | AD BU | Mar-86 | 13.50 | 23.72 |
| | 1 1 | 37.22 | Mar-86 | 6.12 | 33.10 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|---|---|
| T-13A | Α | | Oct-13 | 7.49 | 33.27 |
| | 100 | | Oct-12 | 7.12 | 33.64 |
| | | | Oct-11 | 7.04 | 33.72 |
| | | | Oct-10 | 7.44 | 33.32 |
| | | | Арг-10 | 6.38 | 34.38 |
| | | | Oct-09 | 7.78 | 32.98 |
| | | | Oct-08 | 6.92 | 33.84 |
| | | 40.76 | Oct-07 | 6.31 | 34.45 |
| | | 38.06 | Oct-06 | 6.58 | 31.48 |
| T-14A | Α | | Oct-13 | 7.46 | 33.16 |
| | 1.7 | | Oct-12 | 7.07 | 33.55 |
| | | | Oct-11 | 6.93 | 33.69 |
| | | | Oct-10 | 7.38 | 33.24 |
| | | | Арг-10 | 6.28 | 34.34 |
| | | | Oct-09 | 7.71 | 32.91 |
| | | | Oct-08 | 6.73 | 33.89 |
| | | 40.62 | Oct-07 | 6.30 | 34.32 |
| | | 37.92 | Oct-06 | 6.52 | 31.40 |
| T-15A | Α | | Oct-13 | 7.38 | 32.73 |
| | | | Oct-12 | 6.98 | 33.13 |
| | | | Oct-11 | 6.81 | 33.30 |
| | | | Oct-10 | 7.28 | 32.83 |
| | | | Oct-09 | 7.61 | 32.50 |
| | | | Oct-08 | 6.68 | 33.43 |
| | | 40.11 | Oct-07 | 6.15 | 33.96 |
| | | 37.41 | Oct-06 | 6.48 | 30.93 |
| T-16A | Α | | Oct-13 | 7.56 | 32.46 |
| | | | Oct-12 | 7.11 | 32.91 |
| | | | Oct-11 | 6.91 | 33.11 |
| | | | Oct-10 | 7.36 | 32.66 |
| | | | Oct-09 | 7.74 | 32.28 |
| | | | Oct-08 | 6.75 | 33.27 |
| | | 40.02 | Oct-07 | 6.30 | 33.72 |
| | | 37.32 | Oct-06 | 6.60 | 30.72 |
| T-17A | Α | 38.23 | Oct-13 | 7.82 | 30.41 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|---------|---|-------------------|---|---|
| 36S | Α | | Oct-13 | DRY | |
| | 1 77 27 | | Oct-12 | DRY | _ 0 |
| | | | Oct-11 | 6.25 | 35.21 |
| | | | Oct-10 | 6.65 | 34.81 |
| | | | Oct-09 | 6.83 | 34.63 |
| | | | Oct-08 | 6.29 | 35.17 |
| | | 41.46 | Oct-07 | 5.92 | 35.54 |
| | | | Oct-06 | 6.07 | 32.55 |
| | | | Oct-05 | 6.20 | 32.42 |
| | | | Oct-04 | 6.93 | 31.69 |
| | | | Oct-03 | 6.60 | 32.02 |
| | | | Oct-02 | 7.37 | 31.25 |
| | | | Oct-01 | 7.47 | 31.15 |
| | | | Oct-00 | 7.79 | 30.83 |
| | | | Oct-99 | 7.70 | 30.92 |
| | | | Apr-99 | 7.14 | 31.48 |
| | | | Oct-98 | 7.39 | 31.23 |
| | | 38.62 | Apr-98 | 6.58 8.50 | 32.04 30.12 |
| | | 30.02 | Oct-97+ Apr-97 | 7.85 | 30.12 |
| | | | | 9.40 | 29.63 |
| | | | Oct-96 Jul-96 | 9.14 | 29.89 |
| | | | Oct-95 | 9.02 | 30.01 |
| | | | Jul-95 | 9.25 | 29.78 |
| | | | Apr-95 | 7.59 | 31.44 |
| | | | Jan-95 | 7.60 | 31.43 |
| | | | Oct-94 | 9.37 | 29.66 |
| | | | Jul-94 | 10.90 | 28.13 |
| | | | Apr-94 | 11.48 | 27.55 |
| | | | Jan-94 | 11.82 | 27.21 |
| | | | Oct-93 | 11.40 | 27.63 |
| | | | Jul-93 | 10.69 | 28.34 |
| | | | Apr-93 | 9.66 | 29.37 |
| | | | Jan-93 | 11.35 | 27.68 |
| | | | Oct-92 | 11.81 | 27.22 |
| | | | Jul-92 | 11.80 | 27.23 |
| | | | Apr-92 | 9.36 | 29.67 |
| | | | Jan-92 | 12.98 | 26.05 |
| | | | Oct-91 | 14.23 | 24.80 |
| | | | Jul-91 | 13.93 | 25.10 |
| | | | Apr-91 | 13.08 | 25.95 |
| | | | Jan-91 | Dry | NA |
| | | | Oct-90 | 11.33 | 27.70 |
| | | | Jul-90 | 13.67 | 25.36 |
| | | | Арг-90 | 12.64 | 26.39 |
| | | | Jan-90 | 10.87 | 28.16 |
| | | | Oct-89 | 10.72 | 28.31 |
| | | | Sep-89 | 10.79 | 28.24 |
| | | 22.25 | Apr-89 | 11.60 | 27.43 |
| | | 39.03 | Jan-89 | 11.14 | 27.89 |
| | | | Oct-88 | 10.93 | 28.28 |
| | | | Jul-88 | 10.47 | 28.74 |
| | | | Apr-88 | 10.19 | 29.02 |
| | | | Feb-88 | 9.54 | 29.67 |
| | | | Nov-87 | 9.33 | 29.88 |
| | | | Oct-87 | 8.55 | 30.66 |
| | | | Jul-86 | 7.42 | 31.79 |
| | | | May-86 | 6.51 | 32.70 |
| | | | Apr-86 | 7.50 | 31.71 |
| | | | Mar-86 | 5.94 | 33.27 |
| | | 20.04 | Mar-86 | 6.08 | 33.13 |
| | | 39.21 | Jan-86 | 7.50 | 33.13 |

| Well | | Top of Casing Elevation | Date | Depth to Water (feet below | Water-Level Elevation |
|--------|------|----------------------------|------------------|-------------------------------|--------------------------|
| Number | Zone | (feet, MSL) | Measured | top of casing) | (feet, MSL) |
| 36D | Α | | Oct-13 | 6.44 | 34.82 |
| | | | Oct-12 | 6.20 | 35.06 |
| | | | Oct-11 | 6.03 | 35.23 |
| | | | Oct-10 | 6.43 | 34.83 |
| | | | Oct-09 | 6.61 | 34.65 |
| | | 41.26 | Oct-08 Oct-07 | 6.02 5.67 | 35.24 35.59 |
| | | 41.20 | Oct-06 | 5.82 | 32.58 |
| | | | Oct-05 | 5.96 | 32.44 |
| | | | Oct-04 | 6.72 | 31.68 |
| | | | Oct-03 | 6.40 | 32.00 |
| | | | Oct-02 | 7.12 | 31.28 |
| | | | Oct-01 | 7.24 | 31.16 |
| | | | Oct-00 | 7.52 | 30.88 |
| | | | Oct-99 | 7.43 | 30.97 |
| | | | Apr-99 | 7.17 | 31.23 |
| | | | Oct-98 | 7.19 | 31.21 |
| | | 22.21 | Apr-98 | 6.38 | 32.02 |
| | | 38.40 | Oct-97+ | 8.20 | 30.20 |
| | | | Apr-97 | 7.61 | 31.27 |
| | | | Oct-96 | 9.16 | 29.72 |
| | | | Jul-96 | 8.89 | 29.99 |
| | | | Oct-95 | 8.71 | 30.17 |
| | | | Jul-95 | 9.03 | 29.85 |
| | | | Apr-95 | 7.41 | 31.47 |
| | | | Jan-95 | 7.57 | 31.31 |
| | | | Oct-94 | 9.02 | 29.86 |
| | | | Jul-94 | 10.76 | 28.12 |
| | | | Apr-94 | 11.26 | 27.62 |
| | | | Jan-94 Oct-93 | 11.62 | 27.26 27.62 |
| | | | Jul-93 | 11.26 10.60 | 28.28 |
| | | | Apr-93 | 11.00 | 27.88 |
| | | | Jan-93 | 11.67 | 27.21 |
| | | | Oct-92 | 11.40 | 27.48 |
| | | | Jul-92 | 12.52 | 26.36 |
| | | | Apr-92 | 10.68 | 28.20 |
| | | | Jan-92 | 14.37 | 24.51 |
| | | | Oct-91 | 14.51 | 24.37 |
| | | | Jul-91 | 14.28 | 24.60 |
| | | | Apr-91 | 13.66 | 25.22 |
| | | | Jan-91 | 14.83 | 24.05 |
| | | | Oct-90 | 13.26 | 25.62 |
| | | | Jul-90 | 13.93 | 24.95 |
| | | | Apr-90 | 13.55 | 25.33 |
| | | | Jan-90 | 12.51 | 26.37 |
| | | | Oct-89 | 11.68 | 27.20 |
| | | | Sep-89 | 11.71 | 27.17 |
| | | in in | Apr-89 | 11.35 | 27.53 |
| | | 38.88 | Jan-89 | 10.95 | 27.93 |
| | | | Oct-88 | 10.74 | 28.32 |
| | | | Jul-88 | 10.23 | 28.83 |
| | | | Apr-88 | 9.96 | 29.10 |
| | | | Feb-88 | 9.35 | 29.71 |
| | | | Nov-87 | 9.08 | 29.98 |
| | | | Oct-87 | 8.32 | 30.74 |
| | | | Jul-86 | 7.32 | 31.74 |
| | | | May-86 | 7.37 | 31.69 |
| | | | Apr-86 | NM | NA 04.80 |
| | | | Apr-86 | 7.20 | 31.86 |
| | | | Apr-86 | NM | NA NA |
| | | | Mar-86 | NM 5.02 | NA 22.24 |
| | | | Mar-86 | 5.82 | 33.24 |
| | | | Mar-86 | 5.90 | 33.16 |
| | | 20.00 | Mar-86 | NM 7.50 | NA 22.76 |
| | | 39.06 | Jan-86 | 7.50 | 33.76 |

| Well | 7 | Top of Casing Elevation | Date Measured | Depth to Water (feet below | Water-Level Elevation |
|---------------|-----------|----------------------------|------------------|-------------------------------|--------------------------|
| Number 37S | Zone A | (feet, MSL) | Oct-13 | top of casing) 7.01 | (feet, MSL) 35.05 |
| 313 | ^ | | Oct-13 | 6.56 | 35.50 |
| | | | Oct-12 | 6.43 | 35.63 |
| | | | Oct-10 | 6.92 | 35.14 |
| | | | Oct-09 | 7.30 | 34.76 |
| | | | Oct-08 | 6.20 | 35.86 |
| | | 42.06 | Oct-07 | 5.60 | 36.46 |
| | | .2.55 | Oct-06 | 5.95 | 33.84 |
| | | | Oct-05 | 6.21 | 33.58 |
| | | | Oct-04 | 7.82 | 31.97 |
| | | | Oct-03 | 7.38 | 32.41 |
| | | 39.79 | Oct-02 | 8.23 | 31.56 |
| | | | Oct-01 | 8.40 | 30.84 |
| | | | Oct-00 | 8.49 | 30.75 |
| | | | Oct-99 | 7.70 | 30.92 |
| | | | Oct-99 | 8.36 | 30.88 |
| | | | Арг-99 | 7.14 | 31.48 |
| | | | Apr-99 | 8.33 | 30.91 |
| | | | Oct-98 | 8.42 | 30.82 |
| | | 00.04 | Apr-98 | 7.38 | 31.86 |
| | | 39.24 | Oct-97+ | 9.20 | 30.04 |
| | | | Apr-97 Oct-96 | 8.29 9.67 | 31.41 30.03 |
| | | | Jul-96 | 9.07 | 30.03 |
| | | | Oct-95 | 9.86 | 29.84 |
| | | | Jul-95 | 9.85 | 29.85 |
| | | | Apr-95 | 8.34 | 31.36 |
| | | | Jan-95 | 10.56 | 29.14 |
| | | | Oct-94 | 10.69 | 29.01 |
| | | | Jul-94 | 11.81 | 27.89 |
| | | | Арг-94 | 12.46 | 27.24 |
| | | | Jan-94 | 12.73 | 26.97 |
| | | | Oct-93 | 11.72 | 27.98 |
| | | | Jul-93 | 12.01 | 27.69 |
| | | | Apr-93 | 9.80 | 29.90 |
| | | | Jan-93 | Dry | NA |
| | | | Oct-92 | Dry | NA NA |
| | | | Jul-92 | Dry | NA NA |
| | | | Apr-92 | Dry | NA NA |
| | | | Jan-92 Oct-91 | Dry Dry | NA NA |
| | | | Jul-91 | Dry Dry | NA NA |
| | | | Apr-91 | Dry | NA NA |
| | | | Jan-91 | Dry | NA NA |
| | | | Oct-90 | Dry | NA NA |
| | | | Jul-90 | Dry | NA |
| | | | Apr-90 | Dry | NA |
| | | | Jan-90 | Dry | NA |
| | | | Oct-89 | 12.20 | 27.50 |
| | | | Sep-89 | 11.73 | 27.97 |
| | | | Apr-89 | 13.00 | 26.70 |
| | | 39.70 | Jan-89 | 12.47 | 27.23 |
| | | | Oct-88 | 12.03 | 28.16 |
| | | | Jul-88 | 11.92 | 28.27 |
| | | | Apr-88 | 11.24 | 28.95 |
| | | | Feb-88 | 10.65 | 29.54 |
| | | | Nov-87 | 10.64 | 29.55 |
| | | | Oct-87 Jul-86 | 8.53 8.53 | 31.66 31.66 |
| | | | May-86 | 8.54 | 31.65 |
| | | | Mar-86 | 6.44 | 33.75 |
| | | | Mar-86 | 6.42 | 33.77 |
| | 1 | 40.19 | Jan-86 | 8.20 | 33.86 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|---------|--|------------------|---|---|
| 38S | A | (1001, 11102) | Oct-13 | 8.64 | 32.41 |
| 000 | 1 1 1 1 | | Oct-12 | 8.25 | 32.80 |
| | | | Oct-11 | 8.05 | 33.00 |
| | | | Oct-10 | 8.55 | 32.50 |
| | | | Oct-09 | 9.02 | 32.03 |
| | | | Oct-08 | 7.71 | 33.34 |
| | | 41.05 | Oct-07 | 7.07 | 33.98 |
| | | | Oct-06 | 7.56 | 30.79 |
| | | | Oct-05 | 7.57 | 30.78 |
| | | | Oct-04 | 9.12 | 29.23 |
| | | | Oct-03 | 8.63 | 29.72 |
| | | | Oct-02 | 9.57 | 28.78 |
| | | | Oct-01 | 10.05 | 28.30 |
| | | | Oct-00 | 11.21 | 27.14 |
| | | | Oct-99 | 10.50 | 27.85 |
| | | | Арг-99 | 10.72 | 27.63 |
| | | | Oct-98 | 10.81 | 27.54 |
| | | | Apr-98 | 9.15 | 29.20 |
| | | 38.35 | Oct-97+ | 11.63 | 26.72 |
| | | | Apr-97 | 10.45 | 28.40 |
| | | | Oct-96 | 11.91 | 26.94 |
| | | | Jul-96 | 11.74 | 27.11 |
| | | | Oct-95 | 12.12 | 26.73 |
| | | | Jul-95 | 11.62 | 27.23 |
| | | | Apr-95 | 9.50 | 29.35 |
| | | | Jan-95 | 11.36 | 27.49 |
| | | | Oct-94 | 9.81 | 29.04 |
| | | | Jul-94 | 13.70 | 25.15 |
| | | | Арг-94 | 14.19 | 24.66 |
| | | | Jan-94 | 14.45 | 24.40 |
| | | | Oct-93 | Dry | NA |
| | | | Jul-93 | 14.30 | 24.55 |
| | | | Арг-93 | 13.08 | 25.77 |
| | | | Jan-93 | 13.97 | 24.88 |
| | | | Oct-92 | Dry | NA |
| | | | Jul-92 | Dry | NA |
| | | | Apr-92 | Dry | NA |
| | | | Jan-92 | Dry | NA |
| | | | Oct-91 | Dry | NA |
| | | | Jul-91 | Dry | NA |
| | | | Apr-91 | Dry | NA |
| | | | Jan-91 | Dry | NA |
| | | | Oct-90 | Dry | NA |
| | | | Jul-90 | Dry | NA |
| | | | Apr-90 | Dry | NA |
| | | | Jan-90 | Dry | NA |
| | | | Oct-89 | 14.32 | 24.53 |
| | | | Sep-89 | 14.53 | 24.32 |
| | | | Apr-89 | 13.97 | 24.88 |
| | | 38.85 | Jan-89 | 13.68 | 25.17 |
| | | and the same of th | Oct-88 | 13.62 | 25.52 |
| | | | Jul-88 | 13.12 | 26.02 |
| | | | Apr-88 | 12.68 | 26.46 |
| | | | Feb-88 | 12.55 | 26.59 |
| | | | Nov-87 | 12.68 | 26.46 |
| | | | Oct-87 | 11.49 | 27.65 |
| | | | Jul-86 | 10.52 | 28.62 |
| | | | May-86 | 9.95 | 29.19 |
| | | | Mar-86 | 7.34 | 31.80 |
| | 1 1 | 39.14 | Jan-86 | 8.80 | 32.25 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|---|---|
| EDUCTOR | A | *corrected for | Oct-13 | 8.45* | 33.79 |
| LDOUTOR | ** | soybean oil | Oct-12 | 8.08 | 34.16 |
| | | Soyboarron | Oct-11 | 8.39 | 33.85 |
| | | | Oct-10 | 8.48 | 33.76 |
| | | | Oct-09 | 8.81 | 33.43 |
| | | | | 7.88 | 34.36 |
| | | 40.04 | Oct-08 | 7.50 | 34.74 |
| | | 42.24 | Oct-07 | | |
| | | | Oct-06 | 7.78 | 31.76 |
| | | | Oct-05 | 7.89 | 31.65 |
| | | | Oct-04 | 9.03 | 30.51 |
| | | CANON A.C. | Oct-03 | 8.57 | 30.97 |
| | | 39.54 | Oct-02 | 9.36 | 30.18 |
| | | | Oct-01 | 11.27 | 29.80 |
| | | | Oct-00 | 16.31 | 24.76 |
| | | | Oct-99 | 15.97 | 25.10 |
| | | | Apr-99 | 16.08 | 24.99 |
| | | | Oct-98 | 11.87 | 29.20 |
| | | 1000 | Арг-98 | 16.09 | 24.98 |
| | | 41.07 | Oct-97 | 16.22 | 24.85 |
| | | | Apr-97 | 15.90 | 24.38 |
| | | | Oct-96 | NM | NA |
| | | | Jul-96 | 16.37 | 23.91 |
| | | | Oct-95 | 16.25 | 24.03 |
| | | | Jul-95 | 16.08 | 24.20 |
| | | | Apr-95 | 16.11 | 24.17 |
| | | | Jan-95 | 15.98 | 24.30 |
| | | | Oct-94 | 16.24 | 24.04 |
| | | | | | |
| | | | Jul-94 | 16.35 | 23.93 |
| | | | Apr-94 | 16.56 | 23.72 |
| | | | Jan-94 | 16.50 | 23.78 |
| | | | Oct-93 | 16.54 | 23.74 |
| | | | Jul-93 | 16.37 | 23.91 |
| | | | Apr-93 | 15.08 | 25.20 |
| | | | Jan-93 | 15.54 | 24.74 |
| | | | Oct-92 | 13.92 | 26.36 |
| | | | Jul-92 | 15.60 | 24.68 |
| | | | Apr-92 | 15.13 | 25.15 |
| | | | Jan-92 | 15.25 | 25.03 |
| | | | Oct-91 | 16.72 | 23.56 |
| | | | Jul-91 | 16.04 | 24.24 |
| | | | Apr-91 | 14.99 | 25.29 |
| | | | Jan-91 | 12.66 | 27.62 |
| | | | Oct-90 | 12.76 | 27.52 |
| | | | Jul-90 | 11.72 | 28.56 |
| | | | Apr-90 | 11.89 | 28.39 |
| | | | Jan-90 | 12.07 | 28.21 |
| | | | Oct-89 | 12.40 | 27.88 |
| | | | Sep-89 | 11.55 | 28.73 |
| | | | | 11.63 | |
| | | 40.00 | Apr-89 | | 28.65 |
| | | 40.28 | Jan-89 | 10.59 | 29.69 |
| | | | Oct-88 | 12.33 | 27.95 |
| | | | Jul-88 | 13.30 | 26.98 |
| | | | Apr-88 | 12.95 | 27.33 |
| | | | Feb-88 | 12.74 | 27.54 |
| | | | Nov-87 | NM | NA |
| | | 199. The 1 | Oct-87 | 11.50 | 28.78 |
| | | 40.28 | May-86 | 11.59 | 30.65 |

| Well | 7 | Top of Casing Elevation | Date | Depth to Water (feet below | Water-Level Elevation |
|-----------------|------------|----------------------------|-----------------------|-------------------------------|--------------------------|
| Number T-1B | Zone B1 | (feet, MSL) | Measured | top of casing) | (feet, MSL) |
| | | l vell 1B was abandone | l d in February 20 | 004 | |
| or Trator Boars | | | Oct-03 | 9.31 | 29.71 |
| | | | Oct-02 | 10.99 | 28.03 |
| | | | Oct-01 | 11.54 | 27.48 |
| | | | Oct-00 | 13.09 | 25.93 |
| | | | Oct-99 | 11.46 | 27.56 |
| | | | Арг-99 | 11.87 | 27.15 |
| | | | Oct-98 | 11.66 | 27.36 |
| | | | Арг-98 | 10.56 | 28.46 |
| | | 39.02 | Oct-97 | 12.90 | 26.12 |
| | | 39.53 | Арг-97 | 11.88 | 27.65 |
| | | | Oct-96 | 14.51 | 25.17 |
| | | | Jul-96 | 13.97 | 25.71 |
| | | | Oct-95 | 12.84 | 26.84 |
| | | | Jul-95 | 13.86 | 25.82 |
| | | | Арг-95 | 10.95 | 28.73 |
| | | | Jan-95 | 12.60 | 27.08 |
| | | | Oct-94 | 12.80 | 26.88 |
| | | | Jul-94 | 13.47 | 26.21 |
| | | | Apr-94 | 15.01 | 24.67 |
| | | | Jan-94 | 16.93 | 22.75 |
| | | | Oct-93 | 13.34 | 26.34 |
| | | | Jul-93 | 19.64 | 20.04 |
| | | | Арг-93 | 18.52 | 21.16 |
| | | | Jan-93 | 20.28 | 19.40 |
| | | | Oct-92 | 18.86 | 20.82 |
| | | | Jul-92 | 20.38 | 19.30 |
| | | | Арг-92 | 19.53 | 20.15 |
| | | | Jan-92 | 20.94 | 18.74 |
| | | | Oct-91 | 21.78 | 17.90 |
| | | | Jul-91 | 21.05 | 18.63 |
| | | | Арг-91 | 20.54 | 19.14 |
| | | | Jan-91 | 21.60 | 18.08 |
| | | | Oct-90 | 21.07 | 18.61 |
| | | | Jul-90 | 19.92 | 19.76 |
| | | | Apr-90 | 19.38 | 20.30 |
| | | | Jan-90 | 20.54 | 19.14 |
| | | | Oct-89 | 18.49 | 21.19 |
| | | | Sep-89 | 18.23 | 21.45 |
| | | 00.55 | Арг-89 | 18.95 | 20.73 |
| | | 39.68 | Jan-89 | 15.46 | 24.22 |
| | | | Oct-88 | 15.90 | 21.50 |
| | | | Jul-88 | 15.21 | 22.19 |
| | | | Apr-88 | 14.03 | 23.37 |
| | | | Feb-88 | 12.86 | 24.54 |
| | | | Nov-87 | 12.70 | 24.70 |
| | | | Oct-87 | 10.45 | 26.95 |
| | | | Jul-86 | 9.75 | 27.65 |
| | | | May-86 | 8.23 | 29.17 |
| | | | Apr-86 | 9.40 | 28.00 |
| | | | Mar-86 | 7.47 | 29.93 |
| | | | Mar-86 | 6.29 | 31.11 |
| | | 37.40 | Jan-86 | 7.70 | 29.70 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|---|---|
| T-2B | B1 | (100t, IIIOL) | Oct-13 | 8.36 | 33.87 |
| | | | Oct-12 | 8.08 | 34.15 |
| | | | Oct-11 | 7.89 | 34.34 |
| | | | Oct-10 | 8.41 | 33.82 |
| | | | Oct-09 | 8.82 | 33.41 |
| | | | Oct-08 | 8.05 | 34.18 |
| | | 42.23 | Oct-07 | 7.29 | 34.94 |
| | | | Oct-06 | 7.57 | 31.96 |
| | | | Oct-05 | 7.71 | 31.82 |
| | | | Oct-04 | 9.04 | 30.49 |
| | | | Oct-03 | 8.56 | 30.97 |
| | | 39.53 | Oct-02 | 9.79 | 29.74 |
| | | 00.00 | Oct-01 | 9.76 | 29.48 |
| | | | Oct-00 | 10.76 | 28.48 |
| | | | Oct-99 | 25.48 | 13.76 |
| | | | Apr-99 | Dry | NA |
| | | | Oct-98 | 11.89 | 27.35 |
| | | | Apr-98 | 25.58 | 13.66 |
| | | 39.24 | Oct-97 | NM - | NA |
| | | 00.27 | Apr-97 | 26.15 | 13.52 |
| | | | Oct-96 | 14.08 | 25.59 |
| | | | Jul-96 | 23 | 16.67 |
| | | | Oct-95 | 25.44 | 14.23 |
| | | | Jul-95 | 22.58 | 17.09 |
| | | | Apr-95 | 10.75 | 28.92 |
| | | | Jan-95 | 26.98 | 12.69 |
| | | | Oct-94 | 25.32 | 14.35 |
| | | | Jul-94 | 21.36 | 18.31 |
| | | | Арг-94 | 26.18 | 13.49 |
| | | | Jan-94 | 21.31 | 18.36 |
| | | | Oct-93 | 22.98 | 16.69 |
| | | | Jul-93 | 26.50 | 13.17 |
| | | | | 24.94 | 14.73 |
| | | | Apr-93 | | 15.02 |
| | | | Jan-93 Oct-92 | 24.65 26.35 | 13.32 |
| | | | | | |
| | | | Jul-92 | 15.70 | 23.97 |
| | | | Apr-92 | 27.36 | 12.31 |
| | | | Jan-92 | 16.95 | 22.72 |
| | | | Oct-91 | 29.98 | 9.69 |
| | | | Jul-91 | 24.67 | 15.00 |
| | | | Apr-91 | 24.75 | 14.92 |
| | | | Jan-91 | 24.32 | 15.35 |
| | | | Oct-90 | 23.96 | 15.71 |
| | | | Jul-90 | 29.13 | 10.54 |
| | | | Apr-90 | 24.96 | 14.71 |
| | | | Jan-90 | 22.99 | 16.68 |
| | | | Oct-89 | 23.53 | 16.14 |
| | | | Sep-89 | 23.42 | 16.25 |
| | | 22.27 | Apr-89 | 23.84 | 15.83 |
| | | 39.67 | Jan-89 | 26.07 | 13.60 |
| | | | Oct-88 | 26.29 | 13.40 |
| | | | Jul-88 | 23.00 | 16.69 |
| | | | Apr-88 | 24.56 | 15.13 |
| | | | Feb-88 | 26.00 | 13.69 |
| | | | Nov-87 | 25.89 | 13.80 |
| | | | Oct-87 | 20.46 | 19.23 |
| | | | Jul-86 | 19.23 | 20.46 |
| | | 2235 | May-86 | 26.24 | 13.45 |
| | 1 | 39.69 | Mar-86 | 9.19 | 33.04 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|--|---|
| T-4B | B1 | (.550, 11101) | Oct-13 | 9.71 | 31.22 |
| | | | Oct-12 | | 31.55 |
| | | | Oct-11 | | 31.77 |
| | | | Oct-10 | 9.86 | 31.07 |
| | | | Oct-09 | 10.71 | 30.22 |
| | | | Oct-08 | top of casing) 13 9.71 12 9.38 11 9.16 10 9.86 10 9.86 10 9.86 10 9.86 10 10.71 10 8 8.98 10 7 7.60 10 6 8.07 10 5 8.32 10 4 10.91 10 3 11.00 10 2 12.39 10 1 13.36 10 1 13.36 10 1 16.43 10 19 16.11 10 18 13.89 10 19 16.11 10 18 13.89 10 18 13.89 11 18 18 18 18 18 18 18 18 18 18 18 18 1 | 31.95 |
| | | 40.93 | Oct-07 | | 33.33 |
| | | | Oct-06 | 8.07 | 30.16 |
| | | | Oct-05 | 8.32 | 29.91 |
| | | | Oct-04 | 10.91 | 27.32 |
| | | | Oct-03 | 11.00 | 27.23 |
| | | | Oct-02 | 12.39 | 25.84 |
| | | | Oct-01 | 13.36 | 24.87 |
| | | | Oct-00 | 16.43 | 21.80 |
| | | | Oct-99 | 14.07 | 24.16 |
| | | | Apr-99 | | 22.12 |
| | | | Oct-98 | | 24.34 |
| | | | Apr-98 | | 25.30 |
| | | 38.23 | Oct-97 | | 22.34 |
| | | | Apr-97 | | 23.07 |
| | | | Oct-96 | | 20.00 |
| | | | Jul-96 | | 21.92 |
| | | | Oct-95 | | 21.95 |
| | | | Jul-95 | | 22.37 |
| | | | Apr-95 | | 24.44 |
| | | | Jan-95 | | 21.83 |
| | | | Oct-94 | | 21.37 |
| | | | Jul-94 | | 18.13 |
| | | | Apr-94 | | 16.54 |
| | | | Jan-94 | | 16.09 |
| | | | Oct-93 | | 18.86 |
| | | | Jul-93 | | 16.30 |
| | | | Apr-93 | | 17.24 |
| | | | Jan-93 | | 16.39 |
| | | | Oct-92 | | 18.28 |
| | | | Jul-92 | | 16.51 |
| | | | Apr-92 | | 16.87 |
| | | | Jan-92 | | 16.13 14.26 |
| | | | Oct-91 Jul-91 | | 15.34 |
| | | | Apr-91 | | 16.01 |
| | | | Jan-91 | | 15.66 |
| | | | Oct-90 | | 15.75 |
| | | | Jul-90 | NM | NA |
| | | | Apr-90 | 20.47 | 18.23 |
| | | | Jan-90 | 21.53 | 17.17 |
| | | | Oct-89 | 19.50 | 19.20 |
| | | | Sep-89 | 19.64 | 19.06 |
| | | | Арг-89 | 20.95 | 17.75 |
| | | 38.70 | Jan-89 | 20.75 | 17.95 |
| | | | Oct-88 | 20.98 | 17.98 |
| | | | Jul-88 | 19.87 | 19.09 |
| | | | Арг-88 | 19.63 | 19.33 |
| | | | Feb-88 | 18.67 | 20.29 |
| | | | Nov-87 | 19.59 | 19.37 |
| | | | Oct-87 | 15.32 | 23.64 |
| | | | Jul-86 | 15.88 | 23.08 |
| | | | May-86 | 11.51 | 27.45 |
| | | | Арг-86 | 15.60 | 23.36 |
| | | | Mar-86 | 12.96 | 26.00 |
| | 1 | 38.96 | Jan-86 | 9.30 | 31.63 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|--|---|
| T-5B | B1 | (100t, IIIOL) | | | 32.46 |
| . 00 | | | | | 32.12 |
| | | | Oct-11 | Date (feet below top of casing) Date 20ct-13 9.99 Date 10.33 Date 10.33 Date 10.33 Date 10.33 Date 10.45 Date 10.46 Date 1 | 32.41 |
| | | | Oct-10 | | 32.00 |
| | | | Oct-09 | | 27.90 |
| | | | | | 26.73 |
| | | 42.45 | | | 37.46 |
| | | | Oct-06 | | 34.44 |
| | | | Oct-05 | | 33.58 |
| | | | Oct-04 | | 26.05 |
| | | | Oct-03 | | 25.80 |
| | | 39.75 | Oct-02 | | 24.32 |
| | | | Oct-01 | | 24.22 |
| | | | Oct-00 | 19.25 | 19.96 |
| | | | Oct-99 | | 28.75 |
| | | | Apr-99 | 19.38 | 19.83 |
| | | | Oct-98 | | 21.44 |
| | | | Apr-98 | | 23.76 |
| | | 39.21 | Oct-97 | | 21.89 |
| | | | | | 22.39 |
| | | | Oct-96 | | 19.07 |
| | | | Jul-96 | | 19.02 |
| | | | Oct-95 | | 21.43 |
| | | | | N. C. | 20.92 |
| | | | | | 21.97 |
| | | | Jan-95 | | 20.92 |
| | | | Oct-94 | | 20.90 |
| | | | Jul-94 | | 18.74 |
| | | | | | 18.54 |
| | | | | | 17.52 |
| | | | | | 19.02 |
| | | | | | 18.59 |
| | | | | | 18.43 |
| | | | Jan-93 | | 20.63 |
| | | | Oct-92 | | 22.12 |
| | | | Jul-92 | | 18.87 |
| | | | | | 19.08 |
| | | | Jan-92 | 23.07 | 16.60 |
| | | | Oct-91 | | 15.88 |
| | | | Jul-91 | 23.00 | 16.67 |
| | | | Apr-91 | | 16.86 |
| | | | Jan-91 | 10 Kan 20 Carlos | 16.40 |
| | | | Oct-90 | | 16.80 |
| | | | Jul-90 | | 16.61 |
| | | | Apr-90 | | 16.75 |
| | | | Jan-90 | | 17.82 |
| | | | Oct-89 | | 18.64 |
| | | | Sep-89 | | 18.55 |
| | | | Арг-89 | | 19.12 |
| | | 39.67 | Jan-89 | | 18.87 |
| | | | Oct-88 | 20.71 | 19.96 |
| | | | Jul-88 | 18.63 | 22.04 |
| | | | Apr-88 | 19.20 | 21.47 |
| | | | Feb-88 | 16.62 | 24.05 |
| | | | Nov-87 | 17.12 | 23.55 |
| | | | Oct-87 | 15.75 | 24.92 |
| | | | Jul-86 | 10.86 | 29.81 |
| | | | May-86 | 10.11 | 30.56 |
| | | | Apr-86 | 11.20 | 29.47 |
| | | | Mar-86 | 10.37 | 30.30 |
| | | 40.67 | Jan-86 | 10.00 | 32.45 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | (feet below | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|--|---|
| T-7B | B1 | (ICCL, MOL) | Oct-13 | | 35.28 |
| | | | Oct-12 | | 35.46 |
| | | | Oct-11 | 1233000 | 35.62 |
| | | | Oct-10 | | 34.07 |
| | | | Oct-09 | | 33.54 |
| | | | Oct-08 | top of casing) 6.73 6.55 6.39 7.94* 8.47 8.76 4.93 5.14 5.61 9.35 8.62 12.24 12.67 14.68 11.31 14.74 13.62 12.54 14.34 14.22 16.68 16.35 14.50 15.71 13.99 15.45 15.67 17.76 17.90 19.20 16.60 17.95 18.53 19.15 16.52 17.63 17.20 20.98 21.77 20.77 20.48 21.01 20.79 21.16 20.37 20.56 19.60 19.35 16.99 17.82 18.16 16.37 16.83 15.21 | 33.25 |
| | | 42.01 | Oct-07 | | 37.08 |
| | | 12.01 | Oct-06 | | 34.17 |
| | | | Oct-05 | | 33.70 |
| | | | Oct-04 | | 29.96 |
| | | | Oct-03 | 17.45.0111 | 30.69 |
| | | 39.31 | Oct-02 | 12.24 | 27.07 |
| | | | Oct-01 | | 26.20 |
| | | | Oct-00 | | 24.19 |
| | | | Oct-99 | | 27.56 |
| | | | Арг-99 | 14.74 | 24.13 |
| | | | Oct-98 | | 25.25 |
| | | | Apr-98 | | 26.33 |
| | | 38.87 | Oct-97 | | 24.53 |
| | | | Apr-97 | | 25.22 |
| | | | Oct-96 | 16.68 | 22.76 |
| | | | Jul-96 | | 23.09 |
| | | | Oct-95 | 14.50 | 24.94 |
| | | | Jul-95 | 15.71 | 23.73 |
| | | | Apr-95 | 13.99 | 25.45 |
| | | | Jan-95 | 15.45 | 23.99 |
| | | | Oct-94 | 15.67 | 23.77 |
| | | | Jul-94 | 17.76 | 21.68 |
| | | | Apr-94 | 17.90 | 21.54 |
| | | | Jan-94 | 19.20 | 20.24 |
| | | | Oct-93 | 16.60 | 22.84 |
| | | | Jul-93 | 17.95 | 21.49 |
| | | | Apr-93 | 18.53 | 20.91 |
| | | | Jan-93 | | 20.29 |
| | | | Oct-92 | | 22.92 |
| | | | Jul-92 | | 21.81 |
| | | | Apr-92 | | 22.24 |
| | | | Jan-92 | | 18.46 |
| | | | Oct-91 | ALCOHOL STATE OF THE PARTY OF T | 17.67 |
| | | | Jul-91 | | 18.67 |
| | | | Apr-91 | | 18.96 |
| | | | Jan-91 | | 18.43 |
| | | | Oct-90 | | 18.65 |
| | | | Jul-90 | | 18.28 |
| | | | Apr-90 | | 19.07 |
| | | | Jan-90 | 1.070/09/70 | 18.88 |
| | | | Oct-89 | | 19.84 |
| | | | Sep-89 | | 20.09 |
| | | 20.44 | Apr-89 Jan-89 | | |
| | | 39.44 | Oct-88 | | 21.62 21.27 |
| | | | Jul-88 | | 23.06 |
| | | | Apr-88 | | 22.60 |
| | | | Feb-88 | | 24.22 |
| | | | Nov-87 | 15.75 | 23.68 |
| | | | Oct-87 | 13.98 | 25.45 |
| | | | Jul-86 | 10.75 | 28.68 |
| | | | May-86 | 9.65 | 29.78 |
| | | | Apr-86 | 11.00 | 28.43 |
| | | | Mar-86 | 9.90 | 29.53 |
| | | | Mar-86 | 8.16 | 31.27 |
| | | | iviai-00 | 0.10 | 31.21 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|---|---|
| T-8B | B1 | (ICCL, MOL) | Oct-13 | 7.31 | 33.02 |
| 1 00 | | | Oct-12 | 6.93 | 33.40 |
| | | | Oct-11 | 6.74 | 33.59 |
| | | | Oct-10 | 7.21 | 33.12 |
| | | | Oct-09 | 7.60 | 32.73 |
| | | | Oct-08 | 6.68 | 33.65 |
| | | 40.33 | Oct-07 | 6.05 | 34.28 |
| | | 10.00 | Oct-06 | 6.35 | 31.28 |
| | | | Oct-05 | 6.46 | 31.17 |
| | | | Oct-04 | 7.75 | 29.88 |
| | | | Oct-03 | 7.34 | 30.29 |
| | | 37.63 | Oct-02 | 8.23 | 29.40 |
| | | 01.00 | Oct-01 | 8.64 | 29.66 |
| | | | Oct-00 | 9.68 | 28.62 |
| | | | Oct-99 | 14.37 | 23.93 |
| | | | Apr-99 | 15.83 | 22.47 |
| | | | Oct-98 | 14.77 | 23.53 |
| | | | Apr-98 | 13.83 | 24.47 |
| | | 38.30 | Oct-97 | 13.44 | 24.86 |
| | | 50.00 | Apr-97 | 28.40 | 9.90 |
| | | | Oct-96 | 30.87 | 7.43 |
| | | | Jul-96 | 10.97 | 27.33 |
| | | | Oct-95 | 31.00 | 7.30 |
| | | | Jul-95 | 11.11 | 27.19 |
| | | | Apr-95 | 31.59 | 6.71 |
| | | | Jan-95 | 29.36 | 8.94 |
| | | | Oct-94 | 25.92 | 12.38 |
| | | | Jul-94 | 24.00 | 14.30 |
| | | | Apr-94 | 23.25 | 15.05 |
| | | | Jan-94 | 25.92 | 12.38 |
| | | | Oct-93 | 21.81 | 16.49 |
| | | | Jul-93 | 13.10 | 25.20 |
| | | | Арг-93 | 24.44 | 13.86 |
| | | | Jan-93 | 14.67 | 23.63 |
| | | | Oct-92 | 14.51 | 23.79 |
| | | | Jul-92 | 16.34 | 21.96 |
| | | | Apr-92 | 20.11 | 18.19 |
| | | | Jan-92 | 16.06 | 22.24 |
| | | | Oct-91 | 27.44 | 10.86 |
| | | | Jul-91 | 24.89 | 13.41 |
| | | | Apr-91 | 25.41 | 12.89 |
| | | | Jan-91 | 24.15 | 14.15 |
| | | | Oct-90 | 23.80 | 14.50 |
| | | | Jul-90 | 24.13 | 14.17 |
| | | | Apr-90 | 26.09 | 12.21 |
| | | | Jan-90 | 14.56 | 23.74 |
| | | | Oct-89 | 13.86 | 24.44 |
| | | | Sep-89 | 22.32 | 15.98 |
| | | | Apr-89 | 24.65 | 13.65 |
| | | 38.30 | Jan-89 | NM | NA |
| | | | Oct-88 | 24.34 | 14.00 |
| | | | Jul-88 | 12.47 | 25.87 |
| | | | Apr-88 | 26.35 | 11.99 |
| | | | Feb-88 | 30.26 | 8.08 |
| | | | Nov-87 | 11.15 | 27.19 |
| | | | Oct-87 | 21.02 | 17.32 |
| | | | Jul-86 | 10.24 | 28.10 |
| | | | May-86 | 23.50 | 14.84 |
| | | | Mar-86 | 24.30 | 14.04 |
| | 1 | 38.34 | Mar-86 | 6.41 | 33.92 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|---|---|
| T-9B | B1 | (ICCL, MOL) | Oct-13 | 8.61 | 30.28 |
| 1 00 | | | Oct-12 | 8.30 | 30.59 |
| | | | Oct-11 | 8.14 | 30.75 |
| | | | Oct-10 | 8.69 | 30.20 |
| | | | Oct-09 | 9.43 | 29.46 |
| | | | Oct-08 | 8.87 | 30.02 |
| | | 38.89 | Oct-07 | 6.97 | 31.92 |
| | | 36.19 | Oct-06 | 7.50 | 28.69 |
| | | 30.19 | Oct-05 | 7.65 | 29.67 |
| | | | Oct-04 | 9.68 | 27.64 |
| | | | Oct-04 | 10.20 | 27.12 |
| | | | Oct-02 | 11.31 | 26.01 |
| | | | Oct-02 | 11.73 | 25.59 |
| | | | | | |
| | | | Oct-00 | 18.41 | 18.91 |
| | | | Oct-99 | 14.94 | 22.38 |
| | | | Apr-99 | 16.40 | 20.92 |
| | | | Oct-98 | 12.62 | 24.70 |
| | | 07.00 | Apr-98 | 13.83 | 23.49 |
| | | 37.32 | Oct-97 | 15.82 | 21.50 |
| | | 37.01 | Apr-97 | 14.57 | 22.44 |
| | | | Oct-96 | 16.98 | 20.13 |
| | | | Jul-96 | 16.43 | 20.68 |
| | | | Oct-95 | 14.82 | 22.29 |
| | | | Jul-95 | 16.40 | 20.71 |
| | | | Apr-95 | 13.00 | 24.11 |
| | | | Jan-95 | 16.34 | 20.77 |
| | | | Oct-94 | 22.64 | 14.47 |
| | | | Jul-94 | 20.45 | 16.66 |
| | | | Apr-94 | 28.23 | 8.88 |
| | | | Jan-94 | 29.42 | 7.69 |
| | | | Oct-93 | 26.50 | 10.61 |
| | | | Jul-93 | 30.58 | 6.53 |
| | | | Apr-93 | 28.91 | 8.20 |
| | | | Jan-93 | 29.41 | 7.70 |
| | | | Oct-92 | 29.77 | 7.34 |
| | | | Jul-92 | 31.47 | 5.64 |
| | | | Apr-92 | 30.91 | 6.20 |
| | | | Jan-92 | 31.80 | 5.31 |
| | | | Oct-91 | Dry | NA NA |
| | | | Jul-91 | 31.91 | 5.20 |
| | | | Apr-91 | 22.70 | 14.41 |
| | | | Jan-91 | 23.99 | 13.12 |
| | | | Oct-90 | 31.99 | 5.12 |
| | | | Jul-90 | 18.31 | 18.80 |
| | | | Apr-90 | 20.54 | 16.57 |
| | | | | 25.75 | 11.36 |
| | | | Jan-90 Oct-89 | 21.48 | 15.63 |
| | | | Sep-89 | 17.32 | 19.79 |
| | | | | 23.66 | |
| | | 27.44 | Apr-89 | | 13.45 |
| | | 37.11 | Jan-89 | 24.33 | 12.78 |
| | | | Oct-88 | 26.65 | 10.49 |
| | | | Jul-88 | 24.97 | 12.17 |
| | | | Apr-88 | 23.50 | 13.64 |
| | | | Feb-88 | 21.99 | 15.15 |
| | | | Nov-87 | 19.34 | 17.80 |
| | | | Oct-87 | 12.15 | 24.99 |
| | | | Jul-86 | 27.67 | 9.47 |
| | | | May-86 | 8.94 | 28.20 |
| | | | Mar-86 | 24.25 | 12.89 |
| | | | Mar-86 | 24.45 | 12.69 |
| | 1 | 37.14 | Mar-86 | 6.75 | 32.14 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|---------|---|------------------|---|---|
| T-10B | B1 | | Oct-13 | 7.52 | 32.57 |
| | 1 10000 | | Oct-12 | 7.12 | 32.97 |
| | | | Oct-11 | 6.82 | 33.27 |
| | | | Oct-10 | 7.05* | 33.04 |
| | | | Oct-09 | 7.76 | 32.33 |
| | | S. Talent | Oct-08 | 6.81 | 33.28 |
| | | 40.09 | Oct-07 | 6.19 | 33.90 |
| | | | Oct-06 | 6.56 | 30.83 |
| | | | Oct-05 | 6.62 | 30.77 |
| | | | Oct-04 | 7.86 | 29.53 |
| | | 0.077 | Oct-03 | 7.41 | 29.98 |
| | | | Oct-02 | 8.44 | 28.95 |
| | | 37.39 | Oct-01 | 8.81 | 28.58 |
| T-17B | B1 | | Oct-13 | 7.92 | 32.69 |
| | | | Oct-12 | 7.20 | 33.41 |
| | | | Oct-11 | 7.27 | 33.34 |
| | | | Oct-10 | 7.80 | 32.81 |
| | | | Oct-09 | 8.36 | 32.25 |
| | | | Oct-08 | 7.12 | 33.49 |
| | | 40.61 | Oct-07 | 6.11 | 34.50 |
| | | 37.91 | Oct-06 | 6.51 | 31.40 |
| T-18B | B1 | 38.78 | Oct-13 | 6.28 | 32.50 |
| T-19B | B1 | 38.72 | Oct-13 | 7.20 | 31.52 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|---|---|
| T-2C | B2 | (root, moz) | Oct-13 | 8.98 | 32.40 |
| 120 | UZ. | | Oct-12 | 8.75 | 32.63 |
| | | | Oct-11 | 8.36 | 33.02 |
| | | | Oct-10 | 6.69 | 34.69 |
| | | | Oct-09 | 10.56 | 30.82 |
| | | | Oct-08 | 11.58 | 29.80 |
| | | 41.38 | Oct-07 | 6.39 | 34.99 |
| | | 41.30 | Oct-06 | 6.83 | 31.85 |
| | | | Oct-05 | 7.53 | 31.15 |
| | | | | | 27.67 |
| | | | Oct-04 Oct-03 | 11.01 11.66 | 27.02 |
| | | 20.60 | | | _ |
| | | 38.68 | Oct-02 | 13.91 | 24.77 |
| | | | Oct-01 | 17.50 | 22.01 |
| | | | Oct-00 | 18.40 | 21.11 |
| | | | Oct-99 | 25.18 | 14.33 |
| | | | Apr-99 | 31.50 | 8.01 |
| | | | Oct-98 | 15.45 | 24.06 |
| | | 20 -: | Apr-98 | 19.25 | 20.26 |
| | | 39.51 | Oct-97 | 29.50 | 10.01 |
| | | | Apr-97 | 33.65 | 5.72 |
| | | | Oct-96 | 31.00 | 8.37 |
| | | | Jul-96 | 31 | 8.37 |
| | | | Oct-95 | 31.59 | 7.78 |
| | | | Jul-95 | 35.45 | 3.92 |
| | | | Apr-95 | 18.21 | 21.16 |
| | | | Jan-95 | 34.94 | 4.43 |
| | | | Oct-94 | 31.41 | 7.96 |
| | | | Jul-94 | 35.63 | 3.74 |
| | | | Apr-94 | 40.30 | -0.93 |
| | | | Jan-94 | 44.54 | -5.17 |
| | | | Oct-93 | 38.82 | 0.55 |
| | | | Jul-93 | 40.11 | -0.74 |
| | | | Apr-93 | 37.88 | 1.49 |
| | | | Jan-93 | 39.84 | -0.47 |
| | | | Oct-92 | 42.87 | -3.50 |
| | | | Jul-92 | 46.92 | -7.55 |
| | | | Apr-92 | 42.57 | -3.20 |
| | | | Jan-92 | 47.25 | -7.88 |
| | | | Oct-91 | 47.67 | -8.30 |
| | | | Jul-91 | 36.12 | 3.25 |
| | | | Apr-91 | 31.69 | 7.68 |
| | | | Jan-91 | 29.47 | 9.90 |
| | | | Nov-90 | 40.05 | -0.68 |
| | | | Aug-90 | 50.84 | -11.47 |
| | | | Apr-90 | 40.29 | -0.92 |
| | | | Jan-90 | 31.47 | 7.90 |
| | | | Oct-89 | 33.84 | 5.53 |
| | | | Sep-89 | 44.24 | -4.87 |
| | | | Apr-89 | 38.92 | 0.45 |
| | | 39.37 | Jan-89 | NM | NA |
| | | 35.31 | Oct-88 | 36.86 | 2.54 |
| | | | | 35.70 | 3.70 |
| | | | Jul-88 | | |
| | | | Apr-88 | NM 24.71 | NA 4.60 |
| | | | Feb-88 | 34.71 | 4.69 |
| | | | Nov-87 | 35.18 | 4.22 |
| | | 00.15 | Oct-87 | 25.15 | 14.25 |
| | 1 | 39.40 | Jul-86 | 29.65 | 11.73 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|---|---|
| T-9C | B2 | (1001, 11102) | Oct-13 | 8.54 | 30.27 |
| | 52 | | Oct-12 | 8.33 | 30.48 |
| | | | Oct-11 | 7.99 | 30.82 |
| | | | Oct-10 | 9.4 | 29.41 |
| | | | Oct-09 | 9.74 | 29.07 |
| | | | Oct-08 | 11.13 | 27.68 |
| | | 38.81 | Oct-07 | 6.13 | 32.68 |
| | | 30.01 | | 6.78 | 29.33 |
| | | | Oct-06 | | _ |
| | | | Oct-05 | 7.88 | 28.23 |
| | | | Oct-04 | 10.45 | 25.66 24.70 |
| | | | Oct-03 | 11.41 | |
| | | | Oct-02 | 12.98 | 23.13 |
| | | | Oct-01 | 15.28 | 20.83 |
| | | | Oct-00 | 17.64 | 18.47 |
| | | | Oct-99 | 12.70 | 23.41 |
| | | | Apr-99 | 18.44 | 17.67 |
| | | | Oct-98 | 14.83 | 21.28 |
| | | | Арг-98 | 13.16 | 22.95 |
| | | 36.11 | Oct-97 | 17.15 | 18.96 |
| | | 36.57 | Apr-97 | 15.69 | 20.88 |
| | | | Oct-96 | 22.10 | 14.57 |
| | | | Jul-96 | 20.37 | 16.30 |
| | | | Oct-95 | 18.43 | 18.24 |
| | | | Jul-95 | 20.42 | 16.25 |
| | | | Apr-95 | 18.23 | 18.44 |
| | | | Jan-95 | 20.94 | 15.73 |
| | | | Oct-94 | 18.96 | 17.71 |
| | | | Jul-94 | 22.57 | 14.10 |
| | | | Apr-94 | 23.61 | 13.06 |
| | | | Jan-94 | 24.99 | 11.68 |
| | | | Oct-93 | 23.70 | 12.97 |
| | | | Jul-93 | 23.42 | 13.25 |
| | | | Apr-93 | 22.00 | 14.67 |
| | | | Jan-93 | 22.95 | 13.72 |
| | | | | | 17.64 |
| | | | Oct-92 | 19.03 | |
| | | | Jul-92 | 21.73 | 14.94 |
| | | | Apr-92 | 21.37 | 15.30 |
| | | | Jan-92 | 23.55 | 13.12 |
| | | | Oct-91 | 25.07 | 11.60 |
| | | | Jul-91 | 23.60 | 13.07 |
| | | | Apr-91 | 23.16 | 13.51 |
| | | | Jan-91 | 23.58 | 13.09 |
| | | | Nov-90 | 23.97 | 12.70 |
| | | | Aug-90 | 23.39 | 13.28 |
| | | | Apr-90 | 23.09 | 13.58 |
| | | | Jan-90 | 22.51 | 14.16 |
| | | | Oct-89 | 21.99 | 14.68 |
| | | | Aug-89 | 22.74 | 13.93 |
| | | | Apr-89 | 22.11 | 14.56 |
| | | 36.67 | Jan-89 | 21.29 | 15.38 |
| | | | Oct-88 | 20.32 | 16.36 |
| | | | Jul-88 | 18.85 | 17.83 |
| | | | Apr-88 | 19.35 | 17.33 |
| | | | Feb-88 | 17.76 | 18.92 |
| | | | Nov-87 | 18.33 | 18.35 |
| | | | Oct-87 | 17.16 | 19.52 |
| | | | Jul-86 | 11.21 | 25.47 |
| | | | May-86 | 9.83 | 26.85 |
| | | | Apr-86 | 10.50 | 26.18 |
| | | 36.68 | Jan-86 | 7.20 | 31.61 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|---|---|
| T-10C | B2 | (ICCL, MOL) | Oct-13 | 11.03 | 28.73 |
| 1-10C | UZ. | | Oct-12 | 10.45 | 29.31 |
| | | | Oct-11 | 9.92 | 29.84 |
| | | | Oct-10 | 11.69 | 28.07 |
| | | | Oct-09 | 12.62 | 27.14 |
| | | | | 14.53 | 25.23 |
| | | 39.76 | Oct-08 Oct-07 | 6.91 | 32.85 |
| | | 39.70 | | | |
| | | | Oct-06 | 7.44 | 29.62 |
| | | | Oct-05 | 8.29 | 28.77 |
| | | | Oct-04 | 13.24 | 23.82 |
| | | | Oct-03 | 14.03 | 23.03 |
| | | | Oct-02 | 15.15 | 21.91 |
| | | | Oct-01 | 16.35 | 20.71 |
| | | | Oct-00 | 21.20 | 15.86 |
| | | | Oct-99 | 13.59 | 23.47 |
| | | | Арг-99 | 22.70 | 14.36 |
| | | | Oct-98 | 17.39 | 19.67 |
| | | | Apr-98 | 15.66 | 21.40 |
| | | 37.06 | Oct-97 | 19.91 | 17.15 |
| | | 37.66 | Арг-97 | 20.63 | 17.03 |
| | | | Oct-96 | 25.72 | 11.78 |
| | | | Jul-96 | 24.2 | 13.30 |
| | | | Oct-95 | 19.80 | 17.70 |
| | | | Jul-95 | 24.49 | 13.01 |
| | | | Apr-95 | 21.76 | 15.74 |
| | | | Jan-95 | 25.02 | 12.48 |
| | | | Oct-94 | 21.24 | 16.26 |
| | | | Jul-94 | 26.20 | 11.30 |
| | | | | | |
| | | | Apr-94 | 27.26 | 10.24 |
| | | | Jan-94 | 28.65 | 8.85 |
| | | | Oct-93 | 26.97 | 10.53 |
| | | | Jul-93 | 27.00 | 10.50 |
| | | | Apr-93 | 25.46 | 12.04 |
| | | | Jan-93 | 23.85 | 13.65 |
| | | | Oct-92 | 20.87 | 16.63 |
| | | | Jul-92 | 24.26 | 13.24 |
| | | | Apr-92 | 24.30 | 13.20 |
| | | | Jan-92 | 26.42 | 11.08 |
| | | | Oct-91 | 27.91 | 9.59 |
| | | | Jul-91 | 26.24 | 11.26 |
| | | | Apr-91 | 25.66 | 11.84 |
| | | | Jan-91 | 25.88 | 11.62 |
| | | | Nov-90 | 26.41 | 11.09 |
| | | | Aug-90 | 25.22 | 12.28 |
| | | | Apr-90 | 24.89 | 12.61 |
| | | | Jan-90 | 23.84 | 13.66 |
| | | | Oct-89 | 23.23 | 14.27 |
| | | | Sep-89 | 24.12 | 13.38 |
| | | 37.50 | | 23.73 | |
| | | | Apr-89 | | 13.77 |
| | | | Jan-89 | 23.02 | 14.48 |
| | | | Oct-88 | 22.05 | 15.46 |
| | | | Jul-88 | 20.12 | 17.39 |
| | | | Apr-88 | 20.65 | 16.86 |
| | | | Feb-88 | 18.77 | 18.74 |
| | | | Nov-87 | 19.36 | 18.15 |
| | | | Oct-87 | 18.55 | 18.96 |
| | 1 1 | 37.51 | Jul-86 | 11.73 | 28.03 |

| Well | 7 | Top of Casing Elevation | Date Measured | Depth to Water (feet below | Water-Level Elevation |
|-----------------|------|----------------------------|----------------------------|-------------------------------|--------------------------|
| Number T-11C | Zone | (feet, MSL) | | top of casing) 8.45 | (feet, MSL) 30.20 |
| 1-110 | B2 | | Oct-13 | 8.25 | 30.40 |
| | | | Oct-12 Oct-11 | 7.95 | 30.70 |
| | | | Oct-11 | 9.31 | 29.34 |
| | | | | 9.41 | 29.24 |
| | | | Oct-09 | | |
| | | 38.65 | Oct-08 | 10.83 6.34 | 27.82 32.31 |
| | | 38.03 | Oct-07 | | (200) |
| | | | Oct-06 | 6.77 | 29.18 |
| | | | Oct-05 | 7.49 | 28.46 |
| | | | Oct-04 | 10.30 | 25.65 |
| | | | Oct-03 | 11.18 | 24.77 |
| | | | Oct-02 | 12.87 | 23.08 |
| | | | Oct-01 | 14.33 | 21.62 |
| | | | Oct-00 | 16.96 | 18.99 |
| | | | Oct-99 | 12.94 | 23.01 |
| | | | Apr-99 | 17.92 | 18.03 |
| | | | Oct-98 | 14.34 | 21.61 |
| | | 05.55 | Apr-98 | 13.18 | 22.77 |
| | | 35.95 | Oct-97 | 16.81 | 19.14 |
| | | 36.49 | Apr-97 | 17.55 | 18.94 |
| | | | Oct-96 | 21.46 | 15.14 |
| | | | Jul-96 | 19.95 | 16.65 |
| | | | Oct-95 | 17.92 | 18.68 |
| | | | Jul-95 | 19.72 | 16.88 |
| | | | Apr-95 | 17.12 | 19.48 |
| | | | Jan-95 | 19.86 | 16.74 |
| | | | Oct-94 | 18.58 | 18.02 |
| | | | Jul-94 | 21.60 | 15.00 |
| | | | Apr-94 | 22.44 | 14.16 |
| | | | Jan-94 | 23.86 | 12.74 |
| | | | Oct-93 | 22.23 | 14.37 |
| | | | Jul-93 | 22.15 | 14.45 |
| | | | Apr-93 | 20.82 | 15.78 |
| | | | Jan-93 | 22.33 | 14.27 |
| | | | Oct-92 | 18.66 | 17.94 |
| | | | Jul-92 | NM | NA |
| | | | Apr-92 | 20.38 | 16.22 |
| | | | Jan-92 | 22.71 | 13.89 |
| | | | Oct-91 | 24.19 | 12.41 |
| | | | Jul-91 | 22.91 | 13.69 |
| | | | Apr-91 | 22.30 | 14.30 |
| | | | Jan-91 | 22.84 | 13.76 |
| | | | Nov-90 | 22.30 | 14.30 |
| | | | Aug-90 | 23.03 | 13.57 |
| | | | Apr-90 | NM | NA |
| | | | Jan-90 | 22.28 | 14.32 |
| | | | Oct-89 | 21.82 | 14.78 |
| | | | Sep-89 | 22.62 | 13.98 |
| | | | Apr-89 | 21.74 | 14.86 |
| | | | Jan-89 | 20.83 | 15.77 |
| | | | Oct-88 | 19.78 | 16.82 |
| | | | Jul-88 | 18.64 | 17.96 |
| | | | Арг-88 | 19.12 | 17.48 |
| | | | | | |
| | | | Feb-88 | 17.78 | 18.82 |
| | | | | 17.78 18.28 | 18.82 18.32 |
| | | | Feb-88 Nov-87 Oct-87 | 17.78 18.28 17.28 | |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|---|---|
| T-12C | B2 | | Oct-13 | 7.68 | 33.06 |
| | 1000 | | Oct-12 | 7.43 | 33.31 |
| | | | Oct-11 | 7.16 | 33.58 |
| | | | Oct-10 | 8.36 | 32.38 |
| | | | Oct-09 | 8.83 | 31.91 |
| | | | Oct-08 | 9.7 | 31.04 |
| | | 40.74 | Oct-07 | 5.91 | 34.83 |
| | | | Oct-06 | 6.24 | 31.80 |
| | | | Oct-05 | 6.92 | 31.12 |
| | | | Oct-04 | 9.42 | 28.62 |
| | | | Oct-03 | 10.11 | 27.93 |
| | | | Oct-02 | 12.39 | 25.65 |
| | | | Oct-01 | 14.35 | 23.69 |
| | | | Oct-00 | 16.23 | 21.81 |
| | | | Oct-99 | 13.77 | 24.27 |
| | | | Apr-99 | 17.66 | 20.38 |
| | | | Oct-98 | 14.12 | 23.92 |
| | | | Apr-98 | 13.45 | 24.59 |
| | | 38.04 | Oct-97 | 16.84 | 21.20 |
| | | 38.56 | Apr-97 | 17.60 | 20.96 |
| | | | Oct-96 | 21.61 | 17.01 |
| | | | Jul-96 | 19.9 | 18.72 |
| | | | Oct-95 | 18.00 | 20.62 |
| | | | Jul-95 | 19.81 | 18.81 |
| | | | Apr-95 | 16.14 | 22.48 |
| | | | Jan-95 | 20.17 | 18.45 |
| | | | Oct-94 | 18.91 | 19.71 |
| | | | Jul-94 | 21.71 | 16.91 |
| | | | Apr-94 | 22.63 | 15.99 |
| | | | Jan-94 | 24.12 | 14.50 |
| | | | Oct-93 | 22.40 | 16.22 |
| | | | Jul-93 | 22.08 | 16.54 |
| | | | Apr-93 | 21.41 | 17.21 |
| | | | Jan-93 | 22.46 | 16.16 |
| | | | Oct-92 | 20.15 | 18.47 |
| | | | Jul-92 | 21.69 | 16.93 |
| | | | Apr-92 | 21.11 | 17.51 |
| | | | Jan-92 | 23.65 | 14.97 |
| | | | Oct-91 | 25.31 | 13.31 |
| | | | Jul-91 | 24.12 | 14.50 |
| | | | Apr-91 | 23.82 | 14.80 |
| | | | Jan-91 | 23.97 | 14.65 |
| | | | Nov-90 | 23.47 | 15.15 |
| | | | Aug-90 | 24.23 | 14.39 |
| | | | Apr-90 | 24.48 | 14.14 |
| | | | Jan-90 | 23.48 | 15.14 |
| | | 38.62 | Sep-89 | 24.42 | 16.32 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|------|---|------------------|---|---|
| 36DD | B2 | (leet, WISL) | Oct-13 | 6.05 | 35.53 |
| JODD | DZ | | Oct-13 | 5.91 | 35.67 |
| | | | Oct-12 | 5.72 | 35.86 |
| | | | Oct-10 | 6.55 | 35.03 |
| | | | Oct-09 | 6.85 | 34.73 |
| | | | Oct-08 | 6.76 | 34.82 |
| | | 41.58 | Oct-07 | 5.45 | 36.13 |
| | | 11.00 | Oct-06 | 5.76 | 32.98 |
| | | | Oct-05 | 5.92 | 32.82 |
| | | | Oct-04 | 7.07 | 31.67 |
| | | | Oct-03 | 7.03 | 31.71 |
| | | | Oct-02 | 8.64 | 30.10 |
| | | | Oct-01 | 8.91 | 29.83 |
| | | | Oct-00 | 9.40 | 29.34 |
| | | | Oct-99 | 8.75 | 29.99 |
| | | | Apr-99 | 8.72 | 30.02 |
| | | | Oct-98 | 8.75 | 29.99 |
| | | | Apr-98 | 7.87 | 30.87 |
| | | 38.74 | Oct-97+ | 9.62 | 29.12 |
| | | | Apr-97 | 8.89 | 30.31 |
| | | | Oct-96 | 10.56 | 28.64 |
| | | | Jul-96 | 10.19 | 29.01 |
| | | | Oct-95 | 9.52 | 29.68 |
| | | | Jul-95 | 10.08 | 29.12 |
| | | | Apr-95 | 8.46 | 30.74 |
| | | | Jan-95 | 8.69 | 30.51 |
| | | | Oct-94 | 10.75 | 28.45 |
| | | | Jul-94 | 12.80 | 26.40 |
| | | | Apr-94 | 12.58 | 26.62 |
| | | | Jan-94 | 12.83 | 26.37 |
| | | | Oct-93 | 12.46 | 26.74 |
| | | | Jul-93 | 11.47 | 27.73 |
| | | | Apr-93 | 10.88 | 28.32 |
| | | | Jan-93 Oct-92 | 13.19 12.50 | 26.01 26.70 |
| | | | Jul-92 | 13.40 | 25.80 |
| | | | Apr-92 | 10.95 | 28.25 |
| | | | Jan-92 | 15.03 | 24.17 |
| | | | Oct-91 | 15.80 | 23.40 |
| | | | Jul-91 | 15.59 | 23.61 |
| | | | Apr-91 | 14.69 | 24.51 |
| | | | Jan-91 | 16.12 | 23.08 |
| | | | Oct-90 | 14.46 | 24.74 |
| | | | Aug-90 | 14.30 | 24.90 |
| | | | Apr-90 | 14.75 | 24.45 |
| | | | Jan-90 | 14.06 | 25.14 |
| | | | Oct-89 | 13.25 | 25.95 |
| | | | Aug-89 | 14.14 | 25.06 |
| | | | Apr-89 | 13.18 | 26.02 |
| | | 39.20 | Jan-89 | 12.82 | 26.38 |
| | | | Oct-88 | 12.36 | 27.01 |
| | | | Jul-88 | 11.79 | 27.58 |
| | | | Apr-88 | 11.52 | 27.85 |
| | | | Feb-88 | 10.94 | 28.43 |
| | | | Nov-87 | 11.08 | 28.29 |
| | | | Oct-87 | 10.21 | 29.16 |
| | | | Jul-86 May-86 | 8.23 8.11 | 31.14 31.26 |
| | | | Apr-86 | NM | 31.20 NA |
| | | | Apr-86 | NM | NA NA |
| | | | Apr-86 | 8.10 | 31.27 |
| | | | Mar-86 | NM | NA |
| | | | Mar-86 | 6.56 | 32.81 |
| | | | Mar-86 | 6.53 | 32.84 |
| | | | Mar-86 | NM | NA NA |
| | | 39.37 | Jan-86 | 8.10 | 33.48 |

| Well Number | Zone | Top of Casing Elevation (feet, MSL) | Date Measured | Depth to Water (feet below top of casing) | Water-Level Elevation (feet, MSL) |
|----------------|--------|---|------------------|---|---|
| T-8D | B4 | | Oct-13 | 2.57 | 37.78 |
| | 1 20 1 | | Oct-12 | 1.81 | 38.54 |
| | 10 04 | | Oct-11 | 1.49 | 38.86 |
| | | | Oct-10 | 3.14 | 37.21 |
| | | | Oct-09 | 4.01 | 36.34 |
| | | | Oct-08 | 3.20 | 37.15 |
| | | 40.35 | Oct-07 | 0.45 | 39.90 |
| | | | Oct-06 | 1.1 | 36.55 |
| | | | Oct-05 | 1.54 | 36.11 |
| | | | Oct-04 | 3.77 | 33.88 |
| | | | Oct-03 | NM | NA |
| | | | Oct-02 | 5.89 | 31.76 |
| | | 1.5 | Oct-01 | 5.90 | 31.75 |
| | | | Oct-00 | 8.17 | 29.48 |
| | | 1 | Oct-99 | 4.75 | 32.90 |
| | | | Apr-99 | 5.43 | 32.22 |
| | | | Oct-98 | 5.32 | 32.33 |
| | | 37.65 | Apr-98 Oct-97 | 3.83 7.83 | 33.82 29.82 |
| | | 38.19 | Apr-97 | 7.83 | 31.08 |
| | | 30.18 | Oct-96 | 11.31 | 26.97 |
| | | | Jul-96 | 10.49 | 27.79 |
| | | | Oct-95 | 10.49 | 27.59 |
| | | | Jul-95 | 11.26 | 27.02 |
| | | | Apr-95 | 9.88 | 28.40 |
| | | | Jan-95 | 12.06 | 26.22 |
| | | | Oct-94 | 12.40 | 25.88 |
| | | | Jul-94 | 14.54 | 23.74 |
| | | | Арг-94 | 14.42 | 23.86 |
| | | | Jan-94 | 15.31 | 22.97 |
| | | | Oct-93 | 16.87 | 21.41 |
| | | | Jul-93 | 14.32 | 23.96 |
| | | | Apr-93 | 14.35 | 23.93 |
| | | 38.28 | Jan-93 | 17.02 | 21.26 |
| | | | Oct-92 | 12.97 | 25.31 |
| | | | Jul-92 | 15.02 | 23.26 |
| | | | Apr-92 | 14.25 | 24.03 |
| | | | Jan-92 | 16.94 | 21.34 |
| | | | Oct-91 | 17.83 | 20.45 |
| | | | Jul-91 | 17.15 | 21.13 |
| | | | Apr-91 | 16.07 | 22.21 |
| | | | Jan-91 | 17.53 | 20.75 |
| | | | Oct-90 Jul-90 | 16.78 17.97 | 21.50 20.31 |
| | | | Apr-90 | 17.85 | 20.43 |
| | | | Jan-90 | 18.57 | 19.71 |
| | | | Oct-89 | 18.26 | 20.02 |
| | | | Sep-89 | 14.97 | 23.31 |
| | | | Apr-89 | 18.27 | 20.01 |
| | | | Jan-89 | 17.15 | 21.13 |
| | | | Oct-88 | 17.18 | 21.11 |
| | | | Jul-88 | 15.03 | 23.26 |
| | | | Apr-88 | 14.27 | 24.02 |
| | | | Feb-88 | 13.46 | 24.83 |
| | | | Nov-87 | 14.48 | 23.81 |
| | | | Oct-87 | 14.55 | 23.74 |
| | | | Jul-86 | 9.34 | 28.95 |
| | | | May-86 | 8.03 | 30.26 |
| | | | Apr-86 | 8.10 | 30.19 |
| | | 38.29 | Jan-86 | 7.50 | 32.85 |

Notes:

Wells resurveyed as needed after work that changes top of casing elevation. Elevations in NGVD29 prior to 2007. From 2007, elevations in NAVD88.

MSL Mean Sea Level

NAVD88 North American Vertical Datum 1988 NGVD29 National Goeodetic Vertical Datum 1929

APPENDIX C

HISTORIC GROUNDWATER VOC ANALYTICAL RESULTS

| Well Number/ | PCE | TCE | cis- 1,2-DCE | trans- 1,2-DCE | Total 1,2-DCE | VC | 1,1,1- TCA | 1,1- DCE | 1,1-DCA | CDM | Freon 11 | Freon 12 | Freon 113 | BFM | 1,2- DCB | CBN | BEN | EBN | TOL | XYL |
|-------------------------------|-----------|--------------|-----------------|-------------------|------------------|--------|---------------|-------------|---------|-------------------|-------------|-------------|--------------|---------|-------------|-------------------------|--------|----------|--------|--------|
| Dates | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) |
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-1A ZA | | | | | | | | | | | | | | | 5 - 1 | | | | | |
| Per Water Boar | d approva | l, well T-1A | was abando | ned in Feb | ruary 2004. | 0 11 | [5 F 2.1] | 9 | 100 | | | 3 | | | 3778 | | | | 7 8 1 | |
| | | | | | 1. 10 16.7 | | | 10.3 | 177 | | | | | | 3 == .0 | | | | 2.00 | II rea |
| Oct-02 | < 0.5 | 404,000 | - 1 | 1 | | < 0.5 | < 0.5 | < 0.5 | <0.5 | < 0.5 | <1.0 | <1.0 | <0.5 | <2.0 | < 0.5 | < 0.5 | NA | NA | NA | NA |
| Oct-01 | < 0.5 | 28 | - | 1 | - | <0.5 | < 0.5 | < 0.5 | < 0.5 | <0.5 | < 0.5 | <1.0 | <2.0 | <2.0 | < 0.5 | < 0.5 | NA | NA | NA | NA |
| Oct-00 | <2.0 | 34 | 1 | 1 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | <2.0 | ND | <2.0 | <2.0 | NA | NA | NA | NA |
| Oct-99 | <1.0 | 34 | - | 1 | 1 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-98 | <1.0 | 42 | 2.0 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-97 | <1.0 | 51 | - | 1 | 1 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <2.0 | ND | NA | NA | NA | NA |
| Oct-96 | < 0.5 | 48 | 3.6 | <0.5 | - | < 0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-95 | <1.0 | 61 | _ | 1 | 1 | <2.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-94 | <5.0 | 74 | - | - | <5 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-93 | <5.0 | 120 | - | 1 | - | <10 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Apr-90 | < 0.5 | 110 | - | - | - | < 0.5 | <0.5 | <0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-89 | < 0.5 | 90 | - | 1 | - | <0.5 | <0.5 | < 0.5 | < 0.5 | - | 1 | - | < 0.5 | | < 0.5 | - | 1 | 1 | 1 | - |
| Aug-89 | < 0.5 | 87 | - | - | - | < 0.5 | <0.5 | < 0.5 | 0.9 | - | - | - | < 0.5 | | < 0.5 | (- | 1 | 1 | 1 | - |
| Feb-89 | < 0.5 | 86 | - | I | - | < 0.5 | <0.5 | < 0.5 | 1.3 | 1 | T | | < 0.5 | | < 0.5 | 1 | 1 | | Ţ | 1 |
| Nov-88 | < 0.5 | 88 | - | - | 1 | <0.5 | 0.5 | < 0.5 | 2.7 | - | - | 3.54 | < 0.5 | | < 0.5 | - | 1 | - | 4 | - |
| Aug-88 | <1.0 | 60 | - | - | 67 | <1.0 | 0.9 | <1.0 | <1.0 | = | - | 1 4 | <1.0 | | <1.0 | | Ţ | | 1 | |
| Jun-88 | < 0.5 | 56 | - | 4 | - - | <0.5 | 1.5 | < 0.5 | < 0.5 | - | - | 124 | 10 | | < 0.5 | | 1 | - | 4 | - |
| Jan-88 | <1.0 | 200 | - | 1 | - | <1.0 | 3.1 | <1.0 | 1.5 | - | + | 1 4 1 | 9.1 | | <1.0 | = 1 | Ĺ | - | 1 | - |
| Oct-87 | <2.5 | 160 | - | - | - | <2.5 | 8.6 | <2.5 | <2.5 | - | - | 1 | <2.5 | | <2.5 | | 1 | - | - A | - |
| Jun-87 | <1.0 | 190 | - | - | | <1.0 | 7.0 | <1.0 | <1.0 | (= = 1) | - | 12 | <1.0 | | <1.0 | | 1 | 1 | 4 | -2 |
| Apr-87 | <2.5 | 160 | - | | - | <2.5 | <2.5 | <2.5 | <2.5 | - | - | - | <2.5 | | <2.5 | 1 A | 1 | - | 4 | - |
| Jan-87 | <10 | 140 | | I | - | <10 | <10 | <10 | <10 | E | F | 0.0400 | <10 | | <10 | | Ţ | 1 | Ī | L |
| Sep-86 | <2.0 | 420 | - | | - | <2.0 | 5 | <2.0 | <2.0 | - | - | 3 2 | <2.0 | | <2.0 | 1 - A | 1 | 1 | 1 | - |
| Jul-86 | <1.0 | 140 | - 1 | - | - | <1.0 | <1.0 | <1.0 | <1.0 | (A) | - | 134 | <1.0 | | <1.0 | 2.1 | - | | 1 | - |
| Apr-86 | <2.0 | 340 | - | - | | <2.0 | <2.0 | <2.0 | <2.0 | - | - | | <2.0 | | <2.0 | - | Ţ | 1 | 1 | - |
| Jan-86 | <5.0 | 630 | Ψ. | Ī | 490 | <5.0 | <5.0 | <5.0 | <5.0 | | - 40 | (LDAY) | NA | 1111 | <5.0 |) = 2 (1) | Ţ | 1 | 1 | - |
| Oct-85 | 10 | 640 | - | - | - | <5.0 | 30 | <5.0 | <5.0 | - | - | 2 | <5.0 | | <5.0 | 1 (2 () | Ţ | 1 | 4 | - |
| Nov-84 | 4 | 930 | Η. | Ī | DOES L | NA | 5 | NA | NA | D(2) | - | 122 | NA | | NA | () (- 20.1) | 1 | 1 | 1 | - |
| Aug-84 | 5 | 950 | - | + | 360 | ND | 7 | ND | ND | 100 | - | 122 | ND | | ND |) (2)() | - | 1 | 1.4 | - |
| Mar-84 | NA | 680 | - | - | 1 | NA | NA | NA | NA | D(Z) | - | 1327 | NA | 1 2 2 3 | NA | | | - | - | - |
| Sep-83 | 7 | 1,000 | - | 1 | 047 | NA | 5 | ND | <1.0 | 19 | - | 3.22 | ND | | NA | 1.20 | - 2 | 1 | 1 | |
| Sep-83 | 3 | 540 | Te 1 | - | 510 | NA | 3 | ND | <1.0 | | | 1 = [| ND | 1771 | NA | Jul 2013 | - | (V=1.1) | 1 4 | - |
| Aug-83 | <1.0 | 660 | | 1 | | ND | 4 | <1.0 | <1.0 | 04.0 | + | | <1.0 | | ND | | | 1 | 4 | |

| Well Number/ Dates | PCE (µg/L) | TCE (µg/L) | cis- 1,2-DCE (µg/L) | trans- 1,2-DCE (µg/L) | Total 1,2-DCE (µg/L) | VC (µg/L) | 1,1,1- TCA (µg/L) | 1,1- DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | Freon 11 (µg/L) | Freon 12 (µg/L) | Freon 113 (µg/L) | BFM (µg/L) | 1,2- DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (µg/L) |
|-------------------------------|----------------|-------------------|---------------------------|-----------------------------|----------------------------|----------------|-------------------------|-----------------------|-------------------|---------------|-----------------------|-----------------------|--|---------------|-----------------------|-----------------------|---------------|---------------|------------------------|---------------|
| Drinking Water Standard | 5 | 5 5 | 6 | 10 | 6 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-2A ZA | -0.F0 | 0.70 | 240 | 00 | 7 | 420 | <0.F0 | ×0.50 | 40.F0 | 1 - 1 | -10 | 40.F0 | 40 F0 | 44.D | 40 | OF. | NIA | NIA | NIA | NIA |
| Oct-13 May-13 | <0.50 <0.50 | 0.76 0.53 | 340 130 | 86 35 | | 430 68 | <0.50 | <0.50 | <0.50 | | <1.0 <1.0 | <0.50 | <0.50 | <1.0 <1.0 | 19 5.8 | 85 43 | NA <0.50 | NA <0.50 | NA <0.50 | NA <1.0 |
| May-13 Dup | <0.50 | 0.59 | 160 | 35 | | 81 | <0.50 | <0.50 | <0.50 | | <1.0 | <0.50 | <0.50 | <1.0 | 6.6 | 47 | <0.50 | <0.50 | <0.50 | <1.0 |
| Oct-12 | <0.50 | <0.50 | 120 | 48 | | 67 | < 0.50 | <0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | <0.50 | <1.0 | 8.9 | 78 | < 0.50 | 1.9 | 0.53 | 2.6 |
| Apr-12 | < 0.50 | 0.84 | 34 | 16 | | 27 | < 0.50 | <0.50 | < 0.50 | <0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | 6.1 | 47 | <0.50 | 1.1 | 0.57 | 1.8 |
| Oct-11 | < 0.50 | <0.50 | 12 | 6 | - | 11 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | 3.4 | 74 | < 0.50 | 1.7 | 0.94 | 5.3 |
| May-11 | <0.50 | 0.52 | 3 | 2.3 | - | 5 | < 0.50 | < 0.50 | < 0.50 | <0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 2.7 | 39 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Mar-11 | <0.50 <50 | 0.68 <50 | 7 3,200 | 2.5 <50 | - | 31 | <0.50 <50 | <0.50 | <0.50 <50 | <0.50 <50 | <0.50 | <0.50 <50 | <0.50 <50 | <0.50 | 3.2 | 57 | < 0.50 | 1.7 | <0.50 | 4.8 |
| Nov-10 Oct-10 | <20 | <20 | 8,700 | 75 | | 2,700 5,400 | <20 | <50 <20 | <20 | <20 | <100 <40 | <20 | <20 | <100 <40 | 57 23 | 120 140 | <20 | <20 | <20 | <40 |
| Oct-09 | <20 | <20 | - | - | _ | 1,100 | <20 | <20 | <20 | <20 | <40 | <20 | <20 | <40 | <20 | 46 | <20 | <20 | <20 | <40 |
| Oct-08 | <1 | 2.4 | - | - | - | 52 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <2 | 9.4 | 31 | <1 | <1 | <1 | <2 |
| Oct-07 | <5.0 | <5.0 | 650 | 280 | _ | 200 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 48 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-07 | <5.0 | 25 | 180 | <5.0 | - | 65 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-06 Apr-06 | <5.0 <5.0 | <5.0 <5.0 | 580 170 | 270 110 | | 140 35 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | NA NA | 41 14 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Jan-06 | <5.0 | <5.0 | 220 | 190 | | 120 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 39 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-05 | <5.0 | <5.0 | 45 | 49 | - | 22 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 18 | <5.0 | <5.0 | <5.0 | <15 |
| Jul-05 | <5.0 | <5.0 | 110 | 96 | - | 50 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 60 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-05 | <5.0 | 9.4 | 13 | 9.0 | 1 | 23 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 13 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-05 | <5.0 | <5.0 <5.0 | 150 200 | 100 | - | 49 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA NA | <5.0 | NA | 30 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-04 Apr-04 | <5.0 <1.0 | <5.0 4.4 | 59 | 69 <1.0 | _ | 100 30 | <5.0 <1.0 | <5.0 <1.0 | <5.0 <1.0 | NA NA | <5.0 <1.0 | <5.0 <1.0 | NA NA | <5.0 <1.0 | NA NA | 46 <1.0 | <5.0 <1.0 | <5.0 <1.0 | <5.0 <1.0 | <15 <1.0 |
| Jan-04 | <5.0 | <5.0 | <5.0 | <5.0 | _ | 9.7 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Oct-03 | <5.0 | 6.3 | 66 | <5.0 | - | 130 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 24 | <5.0 | <5.0 | <5.0 | <10 |
| Jul-03 | <1.0 | 2.5 | 17 | <1.0 | - | 48 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | 14 | NA | 19 | <1.0 | 3.8 |
| Apr-03 | <1.0 | 15 | 7.3 | <1.0 | 1 | 13 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | 6.6 | NA | <1.0 | <1.0 | <2.0 |
| Jan-03 | <1.0 1.2 | 16 28 | 12 | 1.1 | - | 24 37 | <1.0 | <1.0 | <1.0 | NA NA | <2.0 | <2.0 | NA NA | <1.0 | NA | 16 | NA <1.0 | NA <1.0 | NA <1.0 | NA 2.0 |
| Oct-02 Jul-02 | <1.0 | 32 | 31 94 | 6.7 | | 140 | <1.0 | <1.0 | <1.0 <1.0 | NA NA | <2.0 | <2.0 | NA NA | <1.0 NA | NA NA | 28 7.1 | NA | <1.0 | <1.0 | 3.9 <2.0 |
| Apr-02 | <1.0 | 4.2 | 45 | <1.0 | | 76 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | 76 | NA | <1.0 | <1.0 | <2.0 |
| Jan-02 | <13 | 110 | 210 | <13 | _ | 240 | <13 | <13 | <13 | ND | <25 | <13 | NA | ND | 20 | <13 | NA | NA | NA | NA |
| Nov-01 | 10 | 140 | 180 | 6.7 | 4 | 460 | <5.0 | <5.0 | <5.0 | ND | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | ND | <5.0 | <5.0 | <5.0 | <10 |
| Oct-01 | <50 | 480 | 230 | <50 | - | 310 | <50 | <50 | <50 | <50 | <100 | <100 | <100 | <50 | NA | <50 | NA | <50 | <50 | <100 |
| Aug-01 Jun-01 | 19 1.1 | 88 5.4 | 400 57 | 8.6 5.2 | - | 690 620 | <1.0 <1.0 | <1.0 1.2 | 1.1 | ND ND | <2.0 4.0 | <2.0 | NA NA | ND ND | NA NA | 2.9 <1.0 | NA NA | 1.8 <1.0 | <1.0 <1.0 | 5.4 <2.0 |
| Mar-01 | 13 | 110 | 360 | 5.3 | _ | 400 | 1.6 | 1.2 | <1.0 | ND | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Jan-01 | 11 | 120 | 330 | 4.2 | _ | 86 | 2.3 | 1.3 | <1.0 | ND | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Oct-00 | <20 | 160 | 520 | <20 | 1 | 330 | <20 | <20 | <20 | <20 | ND | ND | <20 | ND | <20 | <20 | NA | NA | NA | NA |
| Oct-99 | 27 | 270 | 220 | <5.0 | 1 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | <10 | NA | NA | NA | NA |
| Apr-99 | 20 | 210 | 160 | <10 | - | <10 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <10 | <25 | NA | NA | NA | NA |
| Oct-98 Apr-98 | NS 20 | NS 440 | NS 150 | NS <10 | NS - | NS <10 | NS <10 | NS <10 | NS <10 | NS ND | NS ND | NS ND | NS <40 | NS ND | NS <10 | NS <25 | NS NA | NS NA | NS NA | NS NA |
| Oct-97 | 71 | 470 | 320 | <25 | | <25 | <25 | <25 | <25 | ND | ND | ND | <25 | ND | <50 | <50 | NA | NA | NA | NA |
| Apr-97 | 37 | 330 | 250 | 4.4 | 4 | 3.1 | <1.7 | 2.1 | <1.7 | ND | ND | ND | 1.8 | ND | <1.7 | ND | NA | NA | NA | NA |
| Oct-96 | 3.3 | 71 | 97 | 1.0 | + | 9.5 | <0.5 | 0.6 | <0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-95 | 14 | 190 | - 1 | - | 140 | 13 | <2.0 | <2.0 | <2.0 | ND | ND | ND | <2.0 | ND | <2.0 | ND | NA | NA | NA | NA |
| Apr-95 Oct-94 | 18 <25 | 280 320 | _ | - | 300 530 | <10 <25 | <5.0 <25 | <5.0 <25 | <5.0 <25 | ND ND | ND ND | ND ND | <5.0 <25 | ND ND | <5.0 <25 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-94 | 3.9 | 1,600 | - | - | 2,216 | 120 | <0.5 | 21 | <0.5 | ND | ND | ND | <0.5 | ND | 2.2 | ND | NA | NA | NA | NA NA |
| Feb-94 | 6.3 | 1,900 | - | - | 2,723 | 260 | <0.5 | 32 | 1.1 | ND | ND | ND | 1.9 | ND | 9.6 | ND | NA | NA | NA | NA |
| Oct-93 | 16 | 5,800 | - | 1 | 4,732 | 300 | <5.0 | 49 | <5.0 | ND | ND | ND | <5.0 | ND | 23 | ND | NA | NA | NA | NA |
| Apr-93 | 18 | 1,300 | - | - | 1,710 | 14 | <0.5 | 13 | <0.5 | ND | ND | ND | NA | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-92 Apr-92 | 10 30 | 640 4,400 | - | \ - | 650 410 | 80 120 | <0.5 | <0.5 | <0.5 | ND ND | ND ND | ND ND | NA <20 | ND ND | 2.1 <20 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jan-92 | 0.8 | 4,400 | _ | - | 6.1 | 4.0 | <0.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA NA | NA NA | NA NA | NA NA |
| Apr-91 | 12 | 120 | | - | 50 | <1 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Jul-90 | 40 | 100 | - | - | 40 | 3.3 | <0.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | 3.4 | ND | NA | NA | NA | NA |
| Apr-90 | 40 | 160 | 1 | T | 12 | 7.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-89 | 84 | 230 | - | - | 23 | 220 | <1.0 <10 | 3 | <1.0 <10 | - | - 1 | | <1.0 | ND | 79 <10 | _ | - | - | 0 4 | - |
| Aug-89 May-89 | 140 | 2,300 470 | - | - | 30 500 | <10 340 | <10 <5.0 | <10 <5.0 | <5.0 | _ | - | | 18 <5.0 | ND ND | <5.0 | _ | - | _ | 2 - | 2 |
| Feb-89 | 220 | 620 | _ | - | 240 | <10 | <10 | <10 | <10 | - | - | 1 2 | 380 | ND | <10 | - | - | - | 5 = | |
| Nov-88 | 260 | 1,300 | - | 1- | 4,200 | 18,000 | <100 | <100 | <100 | - | - | 1 4 | <100 | ND | <100 | 1.00 | - | - | 0 = | 11.3 |
| Nov-88 | <10 | 1,300 | - | - | 3,800 | 3,600 | <10 | <10 | <10 | - | | 3.0400 | <10 | ND | <10 | - | - | 1 |) = | |
| Aug-88 | 250 | 1,400 | - | · | 5,700 | 11,000 | <100 | <100 | <100 | - | , (A. 1 | 0.2001 | <100 | ND | <100 | 1.09(1) | - | 1 | 0 0 | - |
| Jun-88 | 610 | 4,000 3,200 | - | - | 4,200 | 4,600 | <50 | <50 15 | <50 | - | | 1 20 | <50 <5.0 | ND | <50 32 | 200 | - | - | 0 - | - |
| Jun-88 Oct-87 | 530 190 | 980 | - | - | 3,100 330 | 4,000 40 | 1.6 7.5 | <5.0 | 1.4 <5.0 | - | - | 1 -2 | <5.0 | ND ND | 46 | _ | -1 | 1 | 0 = | |
| Jan-87 | 380 | 2,900 | _ | - | 5,500 | <50 | <50 | <50 | <50 | - | - | -2 | <50 | ND | 610 | -20 | _ | - | 5 = | 3 |
| Jul-86 | 980 | 6,400 | - | - | 5,400 | 540 | <50 | <50 | <50 | - | - | 1 -2 | <50 | ND | 650 | - | - | 1 | 0 - | - |
| Apr-86 | 1,700 | 10,000 | - | - | 30,000 | 740 | <100 | <100 | <100 | | - | | <100 | ND | <100 | (V 2 K) | - | 1 | 0 4 | - |
| Apr-86 | 3,700 | 15,000 | - | - | 13,000 | 650 | <100 | <100 | <100 | - | - | 3.540 | NA | ND | <100 | 1 (20) | - | 1 | 0 40 | 1 |
| Mar-86 | <100 | 9,800 | - | 100 | 2,500 | <100 | <100 | <100 | <100 | | - (-c) | 1 | NA <fo< td=""><td>ND</td><td><100</td><td>-</td><td>-</td><td>-</td><td>0 -</td><td>-</td></fo<> | ND | <100 | - | - | - | 0 - | - |
| Oct-85 Nov-84 | 4,600 5,400 | 12,000 520,000 | _ | - | 15,000 17,000 | <50 NA | <50 <500 | <50 NA | <50 NA | - | - | | <50 NA | ND ND | <50 NA | _ | - | 1 | 0 = | - |
| Aug-84 | 8,600 | 190,000 | _ | - | 21,000 | 300 | ND | 600 | ND | _ | - | | ND | ND | ND | 2 | = | | 5 = | 3 |
| Mar-84 | NA | 13,000 | - | - | NA | NA | NA | NA | NA | - | - | 12 | NA | ND | NA | 10. Art 1 | - | - | 0 4 | |
| Sep-83 | 4,000 | 730,000 | - | 1- | 2,000 | NA | ND | ND | ND | | | 1240 | ND | ND | NA | 1. (2 /6) | - | - |) (| - |
| Sep-83 | 7,000 | 890,000 | - | - | 3,000 | NA | ND | ND | ND | (-a) | - | 1 4 | ND | ND | NA | > == | 1 | 1 | 7- | - |
| Aug-83 | 86,000 | 6,100,000 | - | - | <5.0 | <5.0 | 130 | <5.0 | <5.0 | 11-2 | 1 (40) | | <5.0 | ND | <5.0 | | | - |) (() () | - |

| Dates | PCE (µg/L) | TCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | Total 1,2-DCE (µg/L) | VC (µg/L) | 1,1,1- TCA (µg/L) | 1,1- DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | Freon 11 (µg/L) | Freon 12 (µg/L) | Freon 113 (µg/L) | BFM (µg/L) | 1,2- DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (µg/L) |
|-------------------------------|---------------|---------------|-------------------|-------------------|----------------------------|----------------|-------------------------|-----------------------|-------------------|----------------|-----------------------|-----------------------|------------------------|---------------|-----------------------|---------------|----------------|----------------|----------------|---------------|
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-3A ZA Oct-13 | 1.9 | 250 | 88 | 2.6 | | <1.0 | <1.0 | 0.70 J | <1.0 | | <2.0 | <1.0 | 0.61 J | <2.0 | <1.0 | <1.0 | NA | NA | NA | NA |
| Oct-12 | <1.0 | 120 | 38 | 1.9 | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| Oct-11 | 1.8 | 120 | 38 | 1.6 | - | <0.50 | < 0.50 | <0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | <0.50 | <1.0 | < 0.50 | <0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-10 Oct-09 | 1.1 | 120 170 | 42 44 | 1.4 2.2 | - | <0.50 <0.50 | <0.50 <0.50 | <0.50 <0.50 | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 | <0.50 <0.50 | <0.50 | <0.50 <0.50 | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 |
| Oct-08 | <2 | 140 | 8.0 | <2 | | <2 | <2 | <2 | <2 | <2 | <4 | <2 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <4 |
| Oct-07 | <5.0 | 210 | 15 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-06 Oct-05 | 3.7 4.1 | 230 180 | 49 48 | <2.0 | | <2.0 | <2.0 | <2.0 | <2.0 <1.0 | <2.0 | <2.0 | <4.0 <2.0 | <2.0 | <2.0 | <2.0 <1.0 | <2.0 | NA NA | NA NA | NA NA | NA NA |
| Oct-04 | 2.3 | 130 | 41 | 1.7 | - | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1.0 | <4.0 | <1.0 | <1.0 | NA | NA | NA | NA |
| Oct-03 | <5.0 | 150 | 43 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Oct-02 Oct-01 | <2.0 <5.0 | 180 130 | 17 48 | <2.0 <5.0 | | <2.0 <5.0 | <2.0 <5.0 | <2.0 <5.0 | <2.0 <5.0 | <2.0 <5.0 | <4.0 <10 | <4.0 <5.0 | <2.0 | <8.0 <5.0 | <2.0 <5.0 | <2.0 <5.0 | NA NA | NA NA | NA NA | NA NA |
| Oct-00 | <10 | 140 | 71 | <10 | - | <10 | <10 | <10 | <10 | <10 | ND | ND | <10 | ND | <10 | <10 | NA | NA | NA | NA |
| Oct-99 Oct-98 | 2.1 <5.0 | 95 140 | 78 84 | <2.0 <5.0 | - | 9 <5.0 | <2.0 <5.0 | <2.0 <5.0 | <2.0 <5.0 | ND ND | ND ND | ND ND | <2.0 <5.0 | ND ND | <2.0 <5.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-97 | <5.0 | 180 | 100 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <10 | ND | NA NA | NA | NA | NA NA |
| Oct-96 | 2.0 | 110 | 52 | 0.6 | (- | < 0.5 | 0.9 | < 0.5 | < 0.5 | ND | ND | ND | 0.8 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-95 Oct-94 | 2.9 <5.0 | 180 170 | - | - | 121.2 130 | <2.0 <5.0 | 3.1 <5.0 | <1.0 <5.0 | 1.1 <5.0 | ND ND | ND ND | ND ND | 1.9 <5.0 | ND ND | <1.0 <5.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Feb-94 | 3.7 | 130 | - | 1 | 60 | <1.0 | 4.6 | <0.5 | 1.2 | ND | ND | ND | 1.7 | ND | <0.5 | ND | NA NA | NA NA | NA NA | NA NA |
| Oct-93 | <5.0 | 280 | - | - | 120 | <10 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-92 Apr-92 | 1.1 4.7 | 3.0 | - | - 1 | <0.5 <0.5 | <1.0 <0.5 | 1.7 5.9 | <0.5 <0.5 | <0.5 <0.5 | ND ND | ND ND | ND ND | NA <0.5 | ND ND | <0.5 <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jan-92 | 2.0 | 11 | - | | <0.5 | <0.5 | 2.3 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-91 | 5.8 | 25 | - | - | <0.5 | < 0.5 | 5.4 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Jul-91 Apr-91 | 3.2 2.1 | 19 10 | - | - | <0.5 <0.5 | <0.5 <0.5 | 6.2 3.1 | <0.5 | <0.5 <0.5 | ND ND | ND ND | ND ND | <0.5 | ND ND | <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jan-91 | 1.4 | 7.4 | - | - | <0.5 | <0.5 | 0.7 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-90 | 1.4 | 11 | - | \—\(\(-\) | <0.5 | <0.5 | 4.2 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Jul-90 Apr-90 | <0.5 <0.5 | 4.6 1.5 | - | - | <0.5 <0.5 | <0.5 <0.5 | <0.5 <0.5 | <0.5 | <0.5 <0.5 | ND ND | ND ND | ND ND | <0.5 <0.5 | ND ND | <0.5 <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jan-90 | <0.5 | 8.2 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-89 | <0.5 | 4 | - | \—() | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | - | 1.2 | 1.2 | <0.5 | ND | <0.5 | - | - | - | 10 | - |
| Aug-89 May-89 | 0.7 <1.0 | 5 | - | - | <0.5 <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | - | | 2 | <0.5 | ND ND | <0.5 |) = A = 1 | - | - | - | _ |
| Feb-89 | <0.5 | <0.5 | - | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | - | -0 | 132 | <0.5 | ND | <0.5 | = | - | -1 | - | _ |
| Nov-88 | <0.5 | 4 | - | - | 1.8 | <0.5 | <0.5 | <0.5 | <0.5 | - | | 1 = 1 | <0.5 | ND | <0.5 | | - | -1 |) = | - |
| Aug-88 May-88 | 0.5 | 5 | - | - | 1.1 0.7 | <0.5 <0.1 | 0.2 | <0.5 | <0.5 <0.1 | - | - | - | <0.5 | ND ND | <0.5 | 200 | 1 | - |) | |
| May-88 | 0.4 | 2 | - | - | 0.8 | <0.1 | 0.2 | <0.1 | <0.1 | 3 4 | - (| 1.2 | <0.1 | ND | <0.1 | 1 × 2 × 1 | 1 | 141 | - | 1.3 |
| Jan-88 | 0.7 | 2 | - | - | 0.8 | <0.5 | 0.6 | <0.5 | <0.5 | - | | 1.54 | <0.5 | ND | <0.5 | DIVE C | - | |) ÷ | - |
| Jan-88 Oct-87 | 0.5 15 | 460 | - | - | 0.6 310 | <0.1 | 0.2 | <0.1 | <0.1 | - | - | - | <0.1 | ND ND | <0.2 | . (A () | 1 | - | 2 4 | |
| Jun-87 | 24 | 900 | - | - | 720 | <10 | 72 | <10 | <10 | - | | 1020 | <10 | ND | <10 | 1 Ex. | - | 11-11 |) ÷ | - |
| Apr-87 | 20 <10 | 920 3,000 | - | - | 740 880 | <10 <10 | 100 | 12 | <10 | | | (10 2 1 1 | 86 | ND | <10 |) A | - | -1 | - | - |
| Jan-87 Sep-86 | 15 | 560 | - | - | 340 | <2.0 | <10 15 | <10 | <10 <2.0 | - | - | - | <10 <2.0 | ND ND | <10 <2.0 | - E | 1 | _ | - | - |
| Jul-86 | 180 | 1,800 | 115 | - | 790 | <10 | <10 | <10 | <10 | C-2-1 | | - | <10 | ND | <10 | 2.0 | - | 1.4.1 | - | 1 4 |
| Apr-86 | 91 <25 | 1,500 | | 901 | 220 | <1.0 | 12 | <1.0 | <1.0 | - | - | 1 2 | <1.0 | ND | <1.0 | 2 | - | - | | - |
| Oct-85 | 170 | 3,100 | _ | - | 1,100 3,200 | <25 <50 | 95 | <25 <50 | <25 <50 | _ | - | - | <25 480 | ND ND | <25 <50 | = | 1 | _ | - | |
| Nov-84 | 260 | 1,300 | - | - | 1,100 | NA | 42 | NA | NA | - | - | 124 | NA | ND | NA | 1 2 | - | 7-1 | | - |
| Aug-84 Mar-84 | 210 NA | 530 240 | - | - | 690 NA | ND NA | NA | ND NA | NA | - | - | - | ND NA | ND ND | ND NA | 200 | 1 1 | - | - | = |
| Sep-83 | 560 | 300 | = | 1 | 91 | NA | 16 | ND | <1.0 | _ | - | _ | 52 | ND | NA | | - | _ | - | = |
| Sep-83 | 580 | 290 | - | £ | 96 | NA (C.O. | 16 | NA | <1.0 | - | | 9 = 1 | 35 | ND | NA | 2 (1) | 1 | - | - | - |
| Aug-83 T-6A ZA | 1,100 | 1,600 | - | | 36 | <5.0 | 0.2 | <5.0 | <5.0 | - | - | | <5.0 | ND | <5.0 | - | - | | - | |
| Oct-07 | <0.5 | 22 | 17 | <0.5 | -20 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | 0.62 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 |
| Oct-06 | <0.5 <0.5 | 24 | 22 28 | < 0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA NA | NA | NA NA |
| Oct-05 Oct-04 | <0.5 | 21 14 | 30 | 0.51 0.92 | - | <0.5 <0.5 | <0.5 <0.5 | <0.5 <0.5 | <0.5 <0.5 | <0.5 <0.5 | <0.5 <1.0 | <1.0 <1.0 | <0.5 <0.5 | <0.5 | <0.5 <0.5 | <0.5 | NA NA | NA NA | NA NA | NA NA |
| Oct-03 | 0.61 | 8.5 | 2.5 | < 0.5 | 340 | < 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | < 0.5 | <0.5 | NA | NA | NA | NA |
| Oct-02 | 0.72 | 9.3 | 2.7 | <0.5 | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | <0.5 | <0.5 | NA | NA NA | NA | NA NA |
| Oct-01 Oct-00 | <0.5 <1.0 | 9.2 7.3 | 1.7 <1.0 | <0.5 <1.0 | - | <0.5 | <0.5 | <0.5 | <0.5 <1.0 | <0.5 <1.0 | <0.5 ND | <1.0 ND | <2.0 | <2.0 ND | <0.5 | <0.5 | NA NA | NA NA | NA NA | NA NA |
| Oct-99 | <1.0 | 9.4 | <1.0 | <1.0 | | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-98 | <1.0 <0.5 | 9.4 7.4 | <1.0 <0.5 | <1.0 <0.5 | | <1.0 <0.5 | <1.0 <0.5 | <1.0 <0.5 | <1.0 | ND | ND | ND ND | <1.0 0.6 | ND | <1.0 <1.0 | ND | NA NA | NA | NA NA | NA NA |
| Oct-97 Oct-96 | <0.5 | 7.6 | <0.5 | <0.5 | - | <0.5 | <0.5 | <0.5 | <0.5 <0.5 | ND ND | ND ND | ND | 0.6 | ND ND | <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-95 | <1.0 | 6.5 | - | 4 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-94 | <5.0 | 19 | 9 | 1 4 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA NA | NA NA | NA NA | NA NA |
| Oct-93 Oct-92 | <0.5 <0.5 | 6.3 5.6 | _ | - | <0.5 <0.5 | <1.0 | <0.5 | <0.5 | <0.5 <0.5 | ND ND | ND ND | ND ND | <0.5 NA | ND ND | <0.5 <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-91 | < 0.5 | 7.8 | - | 14 | <0.5 | < 0.5 | <0.5 | < 0.5 | <0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-90 | <0.5 | 9.0 | - | 14 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Aug-89 May-88 | <0.5 <0.5 | 14 | _ | - | 0.7 1.5 | <0.5 <0.5 | 0.6 2.5 | <0.5 | <0.5 <0.5 | - | A 0 | | 0.7 2.1 | ND ND | <0.5 <0.5 | _ | 1 | - | - | - |
| Jan-88 | < 0.5 | 21 | - | - | 1.6 | < 0.5 | 2.6 | <0.5 | <0.5 | - | | 1 4 | 2.1 | ND | < 0.5 | 2 | - | - | - | - |
| 1 07 | <10 | 52 | - | 1 | <10 | <10 | <10 | <10 <0.5 | <10 | - | 0 | 1 2 | 37 21 | ND ND | <10 <0.5 | 44 | 1 1 | - | - | 7 1 |
| Jan-87 Oct-85 | <0.5 | 68.5 | - | - | 10 | < 0.5 | 12 | | < 0.5 | - | - | | | | | | | | 1 | |

| | | - | cis- | trans- | Total | | 1,1,1- | 1,1- | | | Freon | Freon | Freon | | 1,2- | | | | | |
|-----------------------|---------------|----------------|-------------------|--------------------|-------------------|--------------|---------------|---------------|-------------------|---------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|-----------------------|----------------|---------------|
| Well Number/ Dates | PCE (µg/L) | TCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | VC (µg/L) | TCA (µg/L) | DCE (µg/L) | 1,1-DCA (μg/L) | CDM (µg/L) | 11 (µg/L) | 12 (µg/L) | 113 (µg/L) | BFM (µg/L) | DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (µg/L) |
| Drinking Water | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| Standard T-7A ZA | - | | | | | | | | | | | | | | | | | | | |
| Oct-13 | 1.6 J | 240 | 77 | 1.7 J | | <2.5 | <2.5 | <2.5 | <2.5 | | <5.0 | <2.5 | <2.5 | <5.0 | <2.5 | <2.5 | NA | NA | NA | NA |
| Oct-13 Dup | 1.7 J | 250 | 81 | 1.8 J | | <2.5 | <2.5 | <2.5 | <2.5 | | <5.0 | <2.5 | <2.5 | <5.0 | <2.5 | <2.5 | NA | NA | NA | NA |
| Oct-12 | <2.5 | 56/63 | 230 | <2.5 | | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 | <2.5 | <2.5 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 |
| Oct-11 Dup Oct-11 | <2.5 0.67 | 140 140 | 170 180 | <2.5 2.1 | - | <2.5 1.8 | <2.5 <0.50 | <2.5 <0.50 | <2.5 | <2.5 <0.50 | <5.0 <1.0 | <2.5 | <2.5 | <5.0 <1.0 | <2.5 <0.50 | <2.5 | <2.5 <0.50 | <2.5 <0.50 | <2.5 | <5.0 <1.0 |
| Oct-10 Dup | <5.0 | 190 | 51 | <5.0 | _ | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Oct-10 | <5.0 | 220 | 56 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Oct-09 Dup | 1.6 | 180 | 54 | 1.9 | - | < 0.50 | < 0.50 | <0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | < 0.50 | <0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-09 Oct-08 Dup | 1.6 | 180 330 | 52 75 | 2.4 <4 | = | <0.50 <4 | <0.50 <4 | <0.50 <4 | <0.50 <4 | <0.50 | <1.0 <8 | <0.50 | <0.50 | <1.0 <8 | <0.50 <4 | <0.50 | <0.50 <4 | <0.50 <4 | <0.50 <4 | <1.0 <8 |
| Oct-08 | <4 | 370 | 79 | 4.2 | _ | <4 | <4 | <4 | <4 | <4 | <8 | <4 | <4 | <8 | <4 | <4 | <4 | <4 | <4 | <8 |
| Oct-07 | <5.0 | 370 | 80 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-07 Dup | <5.0 | 380 | 81 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| May-07 Jan-07 | <5.0 NA | 290 430 | 100 120 | <5.0 <5.0 | - | NA <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | NA NA | 5.4 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Oct-06 | <4.0 | 330 | 85 | <4.0 | - | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <8.0 | <4.0 | <4.0 | <8.0 | <4.0 | <4.0 | NA | NA | NA | NA |
| Oct-06 Dup | <2.0 | 320 | 76 | <2.0 | _ | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | <2.0 | <2.0 | <4.0 | <2.0 | <2.0 | NA | NA | NA | NA |
| Jul-06 | <5.0 | 450 | 140 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-06 | <5.0 | 360 | 180 | 9.9 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA 2.0 | <5.0 | <5.0 | NA O | <5.0 | NA O | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-05 Oct-04 | <2.0 <2.0 | 340 370 | 130 110 | 3.3 4.6 | _ | <2.0 <2.0 | <2.0 | <2.0 | <2.0 <2.0 | <2.0 | <2.0 | <4.0 <4.0 | <2.0 | <2.0 <8.0 | <2.0 | <2.0 | NA NA | NA NA | NA NA | NA NA |
| Apr-04 | 2.0 | 340 | 170 | 4.4 | _ | <1.0 | <1.0 | <1.0 | <1.0 | NA | <1.0 | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| Oct-03 (1) | <5.0 | 480 | 268 | 8.7 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Apr-03 | <1.0 <5.0 | 430 510 | 210 190 | 2.6 <5.0 | - | <1.0 <5.0 | <1.0 <5.0 | <1.0 | <1.0 <5.0 | NA <5.0 | <2.0 | <2.0 <10 | NA (F.O. | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 NA |
| Oct-02 Apr-02 | <10 | 350 | 160 | <10 | - | <10 | <10 | <5.0 <10 | <10 | ND | <10 <20 | <10 | <5.0 <10 | ND | <5.0 <10 | <5.0 <10 | NA NA | NA NA | NA NA | NA NA |
| Jan-02 | <10 | 290 | 120 | <10 | - | <10 | <10 | <10 | <10 | ND | <20 | <10 | <10 | ND | <10 | <10 | NA | NA | NA | NA |
| Oct-01 | <5.0 | 260 | 71 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | NA | NA | NA | NA |
| Jun-01 | 1.6 | 220 | 76 | 1.4 | - | <2.0 | <1.0 | <1.0 | <1.0 | NA 110 | <2.0 | <2.0 | NA «10 | ND | NA | <1.0 | NA | <1.0 | 1.2 | <2.0 |
| Oct-00 Oct-99 | <10 <2.0 | 120 130 | 87 21 | <10 <2.0 | - | <10 | <10 | <10 | <10 <2.0 | <10 ND | ND ND | ND ND | <10 | ND ND | <10 | <10 | NA NA | NA NA | NA NA | NA NA |
| Oct-99 Dup | <2.0 | 140 | 20 | <2.0 | _ | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | <2.0 | ND | <2.0 | ND | NA | NA | NA | NA |
| Oct-98 | <5.0 | 200 | 18 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | <25 | NA | NA | NA | NA |
| Oct-97 Oct-96 | <10 1.8 | 270 260 | 33 32 | <10 <1.0 | _ | <10 <1.0 | <10 <1.0 | <10 <1.0 | <10 <1.0 | ND ND | ND ND | ND ND | <10 1.5 | ND ND | <20 | <50 ND | NA NA | NA NA | NA NA | NA NA |
| Oct-95 | <5.0 | 400 | - - | - | 47 | <10 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 5.9 | ND | <5.0 | ND | NA | NA | NA | NA |
| Nov-94 | <25 | 410 | 4 | 1 | 100 | <25 | <25 | <25 | <25 | ND | ND | ND | <25 | ND | <25 | ND | NA | NA | NA | NA |
| Oct-94 | 450 | 1,700 | - | - | 3,300 | <250 | <250 | <250 | <250 | ND | ND | ND | <250 | ND | <250 | ND | NA | NA | NA | NA |
| Oct-93 Oct-92 | <5.0 2.4 | 480 670 | - | - | 90 222 | <10 <1.0 | <5.0 2 | <5.0 <0.5 | <5.0 1 | ND ND | ND ND | ND ND | <5.0 NA | ND ND | <5.0 <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-92 | 5.0 | 980 | - | 1 | 425 | <0.5 | 3 | 1 | 2 | ND | ND | ND | 1 | ND | <0.5 | ND | NA | NA | NA | NA |
| Jan-92 | <10 | 1,200 | - | 1 | 980 | <10 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <10 | ND | NA | NA | NA | NA |
| Jul-91 | 10 | 720 | - | 1 | 720 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 14 | ND | <5.0 | ND | NA | NA | NA | NA |
| Apr-91 Oct-90 | <5.0 <5.0 | 720 820 | _ | - | 640 870 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | ND ND | ND ND | ND ND | <5.0 <5.0 | ND ND | <5.0 <5.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jul-90 | <20 | 810 | - | - 1 | 20 | <20 | <20 | <20 | <20 | ND | ND | ND | <20 | ND | <20 | ND | NA | NA | NA | NA |
| Apr-90 | <10 | 1,300 | - | | 760 | <10 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <10 | ND | NA | NA | NA | NA |
| Jan-90 | <10 | 1,300 | - | . 4 | 640 | <10 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <10 | ND | NA | NA | NA | NA |
| Oct-89 Oct-89 | <5.0 6 | 1,000 820 | | - | 340 320 | <5.0 <2.0 | <5.0 5 | <5.0 <2.0 | <5.0 <2.0 | | - | -2 | <10 <2.0 | ND ND | <5.0 <2.0 | | - | - | - | |
| Aug-89 | <10 | 1,400 | = | - | 340 | <10 | 38 | <10 | <10 | - | - | 1.2 | <10 | ND | <10 | = | - | 1 | 1 = | 1 - 1 |
| May-89 | 5.7 | 1,300 | 1-01 | 1 | 320 | <5.0 | <5.0 | <5.0 | <5.0 | (4) | 36-00 | | <5.0 | ND | <5.0 |) v2x() | | [](-1] |) = | - 1 |
| Feb-89 | <25 | 1,200 | - 1 | - | 190 | <25 | <25 | <25 | <25 | - | | 1 2 | <25 | ND | <25 | 2 - 2 - 1 | - | -1 |) - | - |
| Feb-89 Nov-88 | <25 <10 | 1,100 1,200 | = | - | 200 300 | <25 <10 | <25 | <25 <10 | <25 <10 | - | - | - | <25 | ND ND | <25 <10 | _ | | - | 3 = | 2 |
| Aug-88 | <10 | 970 | = | - | 320 | <10 | <10 | <10 | <10 | 2 | -0 | | <10 | ND | <10 | | = | - | 5 = | |
| Jun-88 | <25 | 1,200 | - | Ţ | 610 | <25 | <25 | <25 | <25 | 1 | | 1.2 | 360 | ND | <25 | 200 | - | Dien. | 0 = | - |
| Jan-88 | <50 | 3,200 | - 1 | - | 570 | <50 <25 | <50 | <50 | <50 | () A | | 1.20 | <50 | ND | <50 | 200 | - | 10-11 | 2 = | |
| Oct-87 Jun-87 | <25 <25 | 2,700 3,000 | _ | - | 1,600 3,900 | <25 <25 | <25 <25 | <25 <25 | <25 <25 | - | - | | <25 <25 | ND ND | <25 <25 | _ | | - | 3 4 | 2 |
| Apr-87 | <25 | 2,800 | - | - | 3,500 | <25 | <25 | 59 | <25 | 7 | -0 | 2 | <25 | ND | <25 | - | - | = | 5 = | 1 - 1 |
| Jan-87 | <10 | 3,000 | - 1 |) (4) | 2,500 | <10 | <10 | <10 | <10 | 1 4 1 | -C0 | 1020 | <10 | ND | <10 | 200 | - |) N- - 110 |) (| n en |
| Sep-86 | <12 | 2,200 | - | ſ | 1,500 | <12 | <12 | <12 | <12 | 9 | -0 | (0.41) | <12 | ND | <12 | 2 2 1 | - | 10-11 | 0 -0 | - |
| Jul-86 Apr-86 | <25 <10 | 3,300 1,400 | _ | - | 1,900 <10 | <25 <10 | <25 | <25 1,800 | <25 <10 | 1 | - | - | <25 | ND ND | <25 <10 | _ | - 1 | | 3 4 | = = |
| Jan-86 | <25 | 2,500 | _ | | 1,400 | <25 | <25 | <25 | <25 | _ | - | 2 | NA | ND | <25 | = | = | = | 2 | |
| Oct-85 | 28 | 3,800 | - | - | 4,200 | 340 | 87 | <50 | <50 | | | | <50 | ND | <50 | 7.4200 | - | 1 1 -1 1 | | 1 |
| Oct-85 | <50 | 3,600 | - | 1 | 3,700 | <50 | <50 | <50 | <50 | 4 | 900 | | 690 | ND | <50 | 1.00 | | Dell |) - | - 1 |
| Nov-84 Aug-84 | 15 120 | 3,100 6,800 | = | - | 1,800 2,200 | NA ND | ND | NA ND | NA ND | - | - | - | NA ND | ND ND | NA ND | - | | | - | _ |
| /144-04 | 120 | 0,000 | | | 2,200 | ND | IAD | HU | IVU | | _ | | IND | NU | HU | | | | - | |

| | DOE | 705 | cis- | trans- | Total | 1/0 | 1,1,1- | 1,1- | | | Freon | Freon | Freon | DE1. | 1,2- | opu. | DE11 | | TO. | 100 |
|-------------------------------|---------------|---------------|---------------------|-------------------|-----------------------|------------------|------------------|------------------|-------------------|---------------|--------------|----------------|----------------|---------------|----------------|---------------------|---------------|---------------------|----------------|---------------|
| Well Number/ Dates | PCE (µg/L) | TCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | VC (µg/L) | TCA (µg/L) | DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | 11 (µg/L) | 12 (µg/L) | 113 (µg/L) | BFM (µg/L) | DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (µg/L) |
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-8A ZA | | | Jan 12 0 | | | | | 5.0 | | | | 0 - 27 | | | 9 | | - (1) | | | |
| Oct-13 | 2.0 | 110 | 57 | 3.6 | | 0.91 | 0.25 J | 0.69 | 0.46 J | | <1.0 | < 0.50 | 0.56 | <1.0 | < 0.50 | < 0.50 | NA | NA | NA | NA |
| May-13 Oct-12 | 1.5 <2.5 | 110 160 | 58 82 | 2.8 <2.5 | | 0.71 <2.5 | <0.50 <2.5 | 0.50 <2.5 | <0.50 <2.5 | <2.5 | <1.0 <5.0 | <0.50 <2.5 | <0.50 <2.5 | <1.0 <5.0 | <0.50 | <0.50 | <0.50 | <0.50 <2.5 | <0.50 | <1.0 <5.0 |
| Apr-12 | 1.1 | 110 | 67 | 1.1 | | 0.88 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <0.50 | <1.0 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 |
| Oct-11 | 1.6 | 140 | 69 | 2.1 | - | 1.3 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-10 | 0.99 | 87 | 65 | 2.8 | 1 | 4.6 | <0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | < 0.50 | <0.50 | < 0.50 | < 0.50 | <0.50 | <1.0 |
| Apr-10 Oct-09 | <0.50 0.54 | 43 36 | 26 33 | 2.1 3.2 | 5- | 3.7 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 <1.0 | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 | <0.50 <0.50 | <0.50 <0.50 | <0.50 | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 |
| Feb-09 | < 0.50 | 21 | 23 | 1.4 | _ | 9.2 | <0.50 | < 0.50 | <0.50 | <0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | < 0.50 | <0.50 | NA | NA. | NA | NA |
| Oct-08 | 0.76 | 84 | 28 | 1.1 | - | 4.9 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 |
| Oct-07 | <5.0 | 59 | 71 | <5.0 | - | 36.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-07 Jan-07 | <5.0 8.2 | 170 180 | 63 81 | <5.0 <5.0 | - | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Oct-06 | <5.0 | 57 | 34 | <5.0 | _ | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jul-06 | <5.0 | 210 | 94 | <5.0 | _ | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-06 | <5.0 | 86 | 83 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-06 | <5.0 | 63 | 44 | <5.0 | - | 5.8 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-05 Jul-05 | <5.0 <5.0 | 200 170 | 130 58 | <5.0 <5.0 | _ | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Apr-05 | <5.0 | 140 | 44 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-04 | 2.8 | 130 | 39 | 2.3 | - | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1.0 | <4.0 | <1.0 | <1.0 | NA | NA | NA | NA |
| Jul-04 | <5.0 | 150 120 | 50 45 | <5.0 2.5 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA NA | <5.0 | <5.0 | NA NA | <5.0 | NA NA | <5.0 | <5.0 <1.0 | <5.0 | <5.0 | <10 |
| Apr-04 Jan-04 | 3.2 <5.0 | 110 | 45 33 | <5.0 | = | <1.0 <5.0 | <1.0 <5.0 | <1.0 <5.0 | <1.0 <5.0 | NA NA | <1.0 <5.0 | <1.0 <5.0 | NA NA | <1.0 <5.0 | NA NA | <1.0 <5.0 | <5.0 | <1.0 <5.0 | <1.0 <5.0 | <2.0 <10 |
| Oct-03 | <5.0 | 140 | 48 | <5.0 | _ | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Jul-03 | 2.0 | 150 | 41 | 1.2 | - | <2.0 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Mar-03 | 1.9 | 150 | 45 | <1.0 | - | <2.0 | <1.0 | <1.0 | <1.0 | NA <2.0 | <2.0 | <2.0 | NA -2.0 | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Jan-03 Oct-02 | 3.3 2.4 | 140 130 | 49 54 | 1.2 | - | <2.0 14 | <1.0 1.2 | <1.0 2.8 | <1.0 | <2.0 NA | <2.0 | <2.0 | <2.0 NA | <1.0 | NA NA | <1.0 | NA 1.3 | NA <1.0 | NA 1.2 | <2.0 |
| Jul-02 | <1.0 | 120 | 44 | <1.0 | - | <2.0 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Mar-02 | 2.4 | 140 | 41 | 1.3 | - | <2.0 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Jan-02 | 2.0 | 170 | 62 | 1.5 | - | <2.0 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | 6.8 | 2.7 |
| Nov-01 Oct-01 | <5.0 2.8 | 140 190 | 62 68 | <5.0 1.4 | - | <5.0 <2.0 | <5.0 1.5 | <5.0 <1.0 | <5.0 <1.0 | NA NA | <5.0 <2.0 | <5.0 <2.0 | NA NA | ND <1.0 | NA NA | <5.0 <1.0 | NA NA | <5.0 <1.0 | <5.0 <1.0 | <10 <2.0 |
| Aug-01 | 5.9 | 180 | 72 | 1.4 | - | <2.0 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Jun-01 | 2.6 | 150 | 64 | 1.4 | 1 3 - 1 | <2.0 | 1.6 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | 2.2 | <2.0 |
| Oct-00 Dup | <10 <10 | 150 140 | 64 62 | <10 <10 | - | <10 <10 | <10 <10 | <10 <10 | <10 <10 | <10 | ND ND | ND ND | <10 <10 | ND ND | <10 <10 | <10 <10 | NA NA | NA NA | NA NA | NA NA |
| Oct-99 | 2.6 | 130 | 77 | <2.0 | _ | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | <2.0 | ND | <2.0 | <2.0 | NA | NA | NA | NA |
| Apr-99 | <10 | 110 | 72 | <10 | _ | <10 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <10 | <10 | NA | NA | NA | NA |
| Oct-98 | 3.0 | 110 | 120 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | <2.0 | ND | <2.0 | <2.0 | NA | NA | NA | NA |
| Apr-98 Oct-97 | <5.0 <10 | 170 210 | 110 170 | <5.0 <10 | - | <5.0 <10 | <5.0 <10 | <5.0 <10 | <5.0 <10 | ND ND | ND ND | ND ND | <20 | ND ND | <5.0 <20 | <5.0 <10 | NA NA | NA NA | NA NA | NA NA |
| Apr-97 | 3.8 | 200 | 160 | 12 | _ | <1.0 | 2.9 | <1.0 | 1.3 | ND | ND | ND | 2.7 | ND | 2.2 | ND | NA | NA | NA | NA |
| Oct-96 | 2.4 | 160 | 160 | 3.7 | - | <0.5 | 2.3 | 0.8 | 1.1 | ND | ND | ND | 1.5 | ND | 2.2 | ND | NA | NA | NA | NA |
| Apr-96 | 4.0 | 230 | 114 | 1,441 | 180 | <2.5 | 3 | <2.5 | <2.5 | ND | ND | ND | <2.5 | ND | <2.5 | ND | NA | NA | NA | NA |
| Oct-95 | 4.4 <5.0 | 260 230 | - | | 222.5 200 | <4.0 <10 | 4.9 <5.0 | 2.1 <5.0 | <2.0 <5.0 | ND ND | ND ND | ND ND | <5.0 | ND ND | <2.0 <5.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-95 Oct-94 | <25 | 300 | | _ | 330 | <25 | <25 | <25 | <25 | ND | ND | ND | <25 | ND | <25 | ND | NA | NA | NA | NA |
| Apr-94 | 4.9 | 280 | 를 실 어 () | 40 | 221 | <0.5 | 8 | 3 | <0.5 | ND | ND | ND | 3 | ND | 1 | ND | NA | NA | NA | NA |
| Oct-93 | <5.0 | 250 | - | - | 200 | <10 | 7 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Apr-93 Oct-92 | 7.3 | 160 260 | - | - | 110 <50 | <5.0 2 | 4 | <2.5 | <2.5 <0.5 | ND ND | ND ND | ND ND | <2.5 NA | ND ND | <2.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-92 | 8.0 | 400 | - | _ | 140 | <2.0 | 19 | <2.0 | <2.0 | ND | ND | ND | 21 | ND | <2.0 | ND | NA | NA NA | NA | NA |
| Jul-91 | 4.6 | 110 | - | - | 49 | <0.5 | 2 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Apr-91 | <2.0 | 160 | - | | 63 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | <2.0 | ND | <2.0 | ND | NA | NA | NA | NA |
| Jan-91 Oct-90 | 1.0 2.8 | 100 100 | - | - | 58 50 | <1.0 <0.5 | 4 | <1.0 <0.5 | <1.0 <0.5 | ND ND | ND ND | ND ND | <1.0 <0.5 | ND ND | <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jul-90 | <2.0 | 120 | - | - | 30 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | <2.0 | ND | <2.0 | ND | NA NA | NA NA | NA NA | NA NA |
| Apr-90 | 3.0 | 99 | - | - | 28 | <0.5 | 1 | < 0.5 | <0.5 | ND | ND | ND | < 0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Feb-90 | 2.6 | 76 | - | 1 1 | 20 | <0.5 | 1 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-89 Aug-89 | 7 | 250 340 | - | _ | 65 62 | <1.0 | 7 | 2 | <1.0 | - | | - | 5 | ND ND | <1.0 | _ | - | 20 | - | - |
| Feb-89 | <10 | 200 | - | - | 24 | <10 | <10 | <10 | <10 | - | | _ | <10 | ND | <10 | 2 | | = | - | = |
| Nov-88 | 7 | 260 | - | - | <2.0 | <2.0 | 7 | <2.0 | <2.0 | - | - | 1 - 1 | 4 | ND | 9 | _ | - | - |) ÷ | - |
| Aug-88 | 9.0 | 370 | - | - | 180 | <5.0 | 10 | <5.0 | <5.0 | - | . 9-27 | 0.54.11 | 25 | ND | <5.0 |) V Q KI | - |) v a ll |) (| 1 - |
| Jan-88 | 23 | 570 | - | - | 330 | <5.0 | 18 | <5.0 | <5.0 | - | - | 1 = 1 | 27 | ND | <5.0 | | - | - | 2 + | - |
| Oct-87 Oct-87 | 9.8 | 690 830 | - | _ | 350 290 | <5.0 <1.0 | 17 <0.5 | <5.0 <0.5 | <5.0 <0.5 | - | - | - | <5.0 <1.0 | ND ND | <5.0 NA | - | | - | 0 8 | |
| Jul-87 | <10 | 1,700 | - | - | 1,000 | <10 | 25 | <10 | <10 | = | - | - | 12 | ND | <10 | 2 | - | = | 5 = | = |
| Jan-87 | 23 | 1,200 | - | - | 540 | <5.0 | 24 | <5.0 | <5.0 | - | 1 | 1 = 1 | <5.0 | ND | 53 | 7-2-1 | | - |) A | - |
| | -40 | 1,400 | 7-1 | 1,000 | 650 | <10 | <10 | <10 | <10 | 161 | | 1081 | <10 | ND | <10 | 120 | - |) v e ni |) (| 1 - |
| Jul-86 | <10 | | | | | | | | | | | | <10 | ND | 000 | - | - | | | - |
| Jul-86 Apr-86 | 20 | 1,100 | - | 1- | <10 | <10 | <10 | <10 | <10 | - | - | | | | 800 | | _ | V - 1 | 2 8 | + |
| Jul-86 | | | | | <10 2,400 1,300 | <10 <25 NA | <10 77 9.8 | <10 <25 NA | <10 <25 NA | - | E (| 12 | 320 NA | ND ND | <25 NA | - | 1 1 | = | 2 | - |

| | | | cis- | trans- | Total | | 1,1,1- | 1,1- | | | Freon | Freon | Freon | | 1,2- | | | | | |
|-------------------------------|---------------|----------------|-------------------|-------------------|-------------------|--------------|---------------|----------------|-------------------|---------------|--------------|--------------|---------------|---------------|---------------|------------------------|---------------|---------------|---------------|---------------|
| Well Number/ Dates | PCE (µg/L) | TCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | VC (µg/L) | TCA (µg/L) | DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | 11 (µg/L) | 12 (µg/L) | 113 (µg/L) | BFM (µg/L) | DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (µg/L) |
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-9A ZA | 0.001.0 | | 1 (1 = 1 | | | | | | 1.00.15 | | | | 75 | | 2 | | 7,07 | 77771 | 1-72-1 | 170.75 |
| Oct-13 Oct-12 | 0.97 | 67 50 | 74 82 | 2.9 3.3 | | 0.81 | <0.50 <0.5 | 0.44 J 0.54 | 0.47 J <0.5 | <0.5 | <1.0 <1.0 | <0.50 | <0.50 <0.5 | <1.0 | 3.1 | <0.50 | NA <0.5 | NA <0.5 | NA <0.5 | NA <1.0 |
| Oct-11 | 1.6 | 73 | 100 | 2.9 | _ | 2.2 | <0.50 | 0.55 | <0.50 | <0.50 | <1.0 | <0.50 | <0.50 | <1.0 | 3.7 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 |
| Oct-10 | 0.83 | 48 | 88 | 2.2 | - | 3.5 | < 0.50 | <0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | 2.6 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-09 Oct-08 | 1.5 | 66 50 | 82 98 | 3.0 2.7 | | 2.0 1.2 | <0.50 | 0.58 | <0.50 | <0.50 | <1.0 | <0.50 | <0.50 | <1.0 | 4.0 3.1 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 |
| Oct-07 | <5.0 | 120 | 130 | <5.0 | - | <5.0 | <1 <5.0 | <5.0 | <1 <5.0 | <1 NA | <5.0 | <1 <5.0 | <1 NA | <5.0 | NA | <1 <5.0 | <1 <5.0 | <1 <5.0 | <1 <5.0 | <15 |
| May-07 | <5.0 | 98 | 92 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-07 | <5.0 | 130 | 120 | <5.0 | DAC | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-06 Jul-06 | <5.0 <5.0 | 100 60 | 100 130 | <5.0 <5.0 | - | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Apr-06 | <5.0 | 47 | 190 | 8.1 | T-AC | 6.8 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-06 | <5.0 | 56 | 140 | <5.0 | - | 21 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-05 Jul-05 | <5.0 <5.0 | 56 140 | 170 90 | <5.0 <5.0 | - | 7.3 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Apr-05 | <5.0 | 7.5 | 320 | <5.0 | | 8.2 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-05 | <5.0 | 120 | 92 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-04 | <5.0 | 110 | 74 | <5.0 | - | 5.3 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-04 Jan-04 | 2.9 <5.0 | 85 92 | 81 56 | 2.3 <5.0 | - | 7.2 <5.0 | <1.0 <5.0 | <1.0 <5.0 | <1.0 <5.0 | NA NA | <1.0 <5.0 | <1.0 <5.0 | NA NA | <1.0 <5.0 | NA NA | <1.0 <5.0 | <1.0 <5.0 | <1.0 <5.0 | <1.0 <5.0 | <2.0 <10 |
| Oct-03 | <5.0 | 120 | 81 | <5.0 | _ | 24 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Apr-03 | 1.8 | 120 | 87 | 1.4 | 1 | <2.0 | 1.1 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Oct-02 Jul-02 | <5.0 <2.5 | 110 120 | 66 95 | <5.0 <2.5 | - | 8.1 7.3 | <5.0 <2.5 | <5.0 <2.5 | <5.0 <2.5 | <5.0 ND | <10 <5.0 | <10 <2.5 | <5.0 <2.5 | <20 ND | <5.0 <2.5 | <5.0 <2.5 | NA NA | NA NA | NA NA | NA NA |
| Apr-02 | 3.0 | 130 | 100 | <2.5 | _ | 9.0 | <2.5 | <2.5 | <2.5 | ND | <5.0 | <2.5 | <2.5 | ND | 3.0 | <2.5 | NA | NA | NA | NA NA |
| Jan-02 | 3.0 | 140 | 110 | <2.5 | 10-401 | 11 | <2.5 | <2.5 | <2.5 | ND | <5.0 | <2.5 | <2.5 | ND | 3.9 | <2.5 | NA | NA | NA | NA |
| Oct-01 | <5.0 | 110 | 87 | <5.0 | 1 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <20 | <20 | <5.0 | <5.0 | NA | NA | NA | NA |
| Aug-01 Oct-00 | <5.0 <10 | 120 140 | 110 110 | <5.0 <10 | - | <5.0 <10 | <5.0 <10 | <5.0 <10 | <5.0 <10 | ND <10 | <5.0 ND | <5.0 ND | <25 <10 | ND ND | NA <10 | <5.0 <10 | <5.0 NA | <5.0 NA | <5.0 NA | <5.0 NA |
| Oct-00 Dup | <10 | 140 | 110 | <10 | - | <10 | <10 | <10 | <10 | <10 | ND | ND | <10 | ND | <10 | <10 | NA | NA | NA | NA |
| Oct-99 | 3.5 | 130 | 100 | 2.2 | - 1 | <2.0 | 2.4 | <2.0 | <2.0 | ND | ND | ND | <2.0 | ND | <2.0 | <2.0 | NA | NA | NA | NA |
| Apr-99 Oct-98 | <10 3.4 | 140 130 | 140 150 | <10 2.1 | | <10 | <10 2.6 | <10 | <10 <2.0 | ND ND | ND ND | ND ND | <10 | ND ND | <10 6.0 | <10 | NA NA | NA NA | NA NA | NA NA |
| Apr-98 | <5.0 | 150 | 170 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <20 | ND | <5.0 | <5.0 | NA NA | NA NA | NA | NA NA |
| Oct-97 | <10 | 210 | 290 | <10 | - | <10 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <20 | <10 | NA | NA | NA | NA |
| Apr-97 | 5.0 | 200 | 250 | 16 | - | 1.4 | 3.9 | 1.9 | 1.7 | ND | ND | ND | 3.3 | ND | 9.8 | ND | NA | NA | NA | NA |
| Oct-96 Apr-96 | 4.2 6.2 | 190 240 | 270 | 3.5 | 293 | <1.0 <2.5 | 5.3 | 2.7 | 1.7 <2.5 | ND ND | ND ND | ND ND | 2.8 <2.5 | ND ND | 11 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-95 | 5.7 | 210 | 4 | - | 252.9 | <5.0 | 5.4 | 3.2 | <2.5 | ND | ND | ND | 3.5 | ND | 14 | ND | NA | NA | NA | NA |
| Apr-95 | 4.7 | 180 | - | - | 170 | <6.0 | 3.8 | <3.0 | <3.0 | ND | ND | ND | <3.0 | ND | 12 | ND | NA | NA | NA | NA |
| Oct-94 | <25 9.2 | 260 270 | - | 1- | 160 263 | <25 6.7 | <25 | <25 | <25 | ND ND | ND ND | ND ND | <25 <0.5 | ND ND | <25 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-94 Oct-93 | 7.0 | 330 | _ | _ | 320 | <10 | 8.0 | 9.1 | 2.3 <5.0 | ND | ND | ND | 8.0 | ND | 22 17 | ND | NA NA | NA NA | NA NA | NA NA |
| Apr-93 | 8.0 | 420 | - | | 240 | 30 | 8.0 | <5.0 | <5.0 | ND | ND | ND | 5.0 | ND | 16 | ND | NA | NA | NA | NA |
| Oct-92 | 13 | 470 | - | - | 233 | 8.7 | 9.3 | 5.8 | 3.2 | ND | ND | ND | NA | ND | 21 | ND | NA | NA | NA | NA |
| Apr-92 Jan-92 | 16 22 | 740 850 | - | - | 380 770 | <5.0 <5.0 | 18 24 | <5.0 <5.0 | <5.0 <5.0 | ND ND | ND ND | ND ND | <5.0 <5.0 | ND ND | <5.0 <5.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jul-91 | 26 | 720 | - | 5 4 | 580 | <5.0 | 17 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Apr-91 | 20 | 1,000 | | 1 | 940 | <10 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | 22 | ND | NA | NA | NA | NA |
| Jan-91 | 30 | 1,700 | - | 40 | 700 | <10 | 10 | 10 | <10 | ND | ND ND | ND | <10 | ND | <10 | ND | NA | NA NA | NA NA | NA NA |
| Oct-90 Jul-90 | 20 45 | 1,400 | _ | _ | 930 880 | <10 64 | <10 8.0 | <10 <5.0 | <10 <5.0 | ND ND | ND ND | ND ND | <10 <5.0 | ND ND | <10 11 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-90 | 30 | 2,600 | - | - | 1,500 | 120 | <20 | <20 | <20 | ND | ND | ND | <20 | ND | <20 | ND | NA | NA | NA | NA |
| Feb-90 | <50 | 2,800 | - | - | 200 | <50 | <50 | <50 | <50 | ND | ND | ND | <50 | ND | <50 | ND | NA | NA | NA | NA |
| Oct-89 May-88 | 69 25 | 820 1,000 | - | - | 770 710 | 200 170 | 14 26 | 13 | <2.0 <5.0 | - | - 0 | 1.24 | <2.0 24 | ND ND | 110 63 | | - | 2 | 2 | - |
| Jan-88 | <25 | 1,700 | _ | _ | 1,400 | 230 | <25 | <25 | <25 | - | - | = | <25 | ND | <25 | - | = | = | 5 = | = |
| Oct-87 | 44 | 770 | - | (4) | 430 | 220 | 22 | <5.0 | <5.0 | 9 4 | -0 | | 55 | ND | <5.0 |) x(2 x,) | - |) váll |) + | 11.9 |
| Jul-87 | <10 | 1,000 | - | - | 1,400 | 390 | 13 | <10 | <10 | 1 4 | | 1 = 1 | 18 | ND | 36 | 201 | - | - | 9 - | - |
| Jul-86 Apr-86 | 21 <10 | 1,100 1,100 | - | - | 1,200 1,600 | 540 780 | <10 <10 | <10 <10 | <10 <10 | - | - | | <10 <10 | ND ND | 82 <10 | - | - | - | 0 8 | |
| Mar-86 | <10 | 2,500 | _ | - | 2,000 | <10 | <10 | <10 | <10 | - | - 0 | - | NA | ND | <10 | - 2 | - | = | 5 = | |
| Mar-86 | <10 | 1,700 | - | - | 2,100 | <10 | <10 | <10 | <10 | 114 | | 1 | NA | ND | <10 |) = () | | 17-21 | 0 + | 1-9-1 |
| Mar-86 Oct-85 | 120 320 | 1,100 5,600 | - | - | 2,500 <50 | 710 <50 | <10 60 | <10 <50 | <10 <50 | 1 14 | -0 | 1 = 1 | NA 1,200 | ND ND | <10 <50 | - | - | -1 | 0 = | - |
| Nov-84 | 31 | 1,800 | - | _ | 4,200 | NA | 12 | NA AN | NA | - | - | - | NA | ND | NA | _ | | _ | 2 - | - |
| Aug-84 | 280 | 2,000 | | _ | 7,900 | 3,500 | ND | 47 | ND | | | - | ND | ND | ND | 140 | | _ | 3 40 | |

| Week Number PCE TCE 12-OCE 12 | | | | cis- | trans- | Total | | 1,1,1- | 1,1- | | 1 1 | Freon | Freon | Freon | | 1,2- | | | - | | |
|--|-----|---------|--------|---------|-------------|---------|--------|-------------|--------|----------|-------------------|-------------|-------------|---------|--------|--------|--------|-------------|----------------|----------------|--------------|
| Driving S S 6 10 6 0.5 200 6 5 100 150 WE 1200 100 600 70 1 | | | | 1,2-DCE | 1,2-DCE | 1,2-DCE | | TCA | DCE | | | 11 | 12 | 113 | | DCB | | | EBN | TOL | XYL |
| Water S S 6 10 6 0.5 200 6 5 100 150 NE 1200 100 600 70 1 | | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) |
| Standard | | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| Oct | | 3 | 3 | 0 | 10 | · | 0.5 | 200 | | 3 | 100 | 150 | | 1200 | 100 | 000 | 7.0 | | 500 | 150 | 1130 |
| May-13 | | T. 3. 0 | TA S | | | | | | | T. TTO S | 5 = 5 | 1000 | 1 4 | THE CO. | | 9 | 2775.0 | 707 | Tr Ex-D | 1-75-7 | 1707 |
| | | | | | | | | | | | g = 1 | | | | | | | | NA | NA | NA |
| Control Cont | | | | | | | | | | | | | | | | | | | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 |
| Appril 2 | | | | | | | | | | | < 0.50 | | | | | | | | <0.50 | <0.50 | <1.0 |
| Oct-10 O.52 72 51 22 69 dp50 | | | | | | | | | | | | | | | | | | | <0.50 | 0.56 | <1.0 |
| Apr-01 | | | | | | | | | | | | | | | | | | | < 0.50 | < 0.50 | <1.0 |
| Cotcol 0,50 26 | | | | | | | | | | | | | | | | | | | <0.50 | <0.50 | <1.0 |
| Feb.09 | | | | | | | | | | | | | | | | | | | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 |
| Octob Cot Octob Oc | | | | | | | | | | | | | | | | | | | NA | NA | NA |
| July 07 \$50 180 64 \$50 \$60 \$50 | | | | | | | | | | | | | | | | | | | <25 | 3100 | <50 |
| Apr07 6.50 200 75 6.50 6.50 | | | | | | - | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Jame 17 6.2 300 120 c50 - c50 c50 c50 NA c50 NA c50 c50 c50 C50 NA c50 | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Oct | | | | | | | | | | | | | | | | | | | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| July 06 \$50 200 120 \$50 \$60 \$60 \$60 \$80 \$50 \$60 \$NA \$60 \$60 | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Apr-06 \$5.0 180 140 62 - \$5.0 \$5.0 \$5.0 \$5.0 \$4.0 \$5.0 \$4.0 \$5.0 \$4.0 \$5.0 \$4.0 \$4.0 \$5.0 \$4.0 \$4.0 \$5.0 \$4.0 | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Nov-05 | 6 | <5.0 | | | 6.2 | | <5.0 | <5.0 | <5.0 | <5.0 | | <5.0 | <5.0 | | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| T44A ZA Oct | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Oct-13 | | <5.0 | 200 | 98 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| May 13 0.9 0 42 33 4.4 25 0.5 | | < 0.50 | 2.0 | 53 | 6.3 | | 35 | < 0.50 | 0.29 J | 0.78 | | <1.0 | < 0.50 | < 0.50 | <1.0 | 2.1 | 0.19 J | NA | NA | NA | NA |
| Apr-12 | 3 < | <0.50 | 4.2 | 33 | 4.4 | | 25 | < 0.50 | < 0.50 | 0.63 | LINE | <1.0 | < 0.50 | < 0.50 | <1.0 | 2.1 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-11 | | | | | | | | | | | | | | | | 2 | | | <0.50 | <0.50 | <1.0 |
| Oct-10 | | | | | | | | | | | | | | | | | | | < 0.50 | < 0.50 | <1.0 |
| Apr-10 | | | | | | | | | | | | | | | | | | | <0.50 <0.50 | <0.50 | <1.0 <1.0 |
| Cot-09 Cot-05 C | | | | | | | | | | | | | | | | | | | <0.50 | <0.50 | <1.0 |
| Oct-08 C20 C | | | | | | | | | | | | | | | | | | | < 0.50 | 0.54 | <1.0 |
| Oct 07 <50 54 200 <50 - <50 <50 <50 <50 <50 NA <50 NA <50 NA <50 NA <50 <50 <50 <50 <50 <50 <50 NA <50 <50 NA <50 <50 <50 <50 <50 <50 <50 <50 <50 NA <50 <50 <50 NA <50 <50 NA <50 <50 <50 NA <50 <50 <50 NA <50 <50 <50 NA <50 <50 <50 <50 NA <50 <50 <50 <50 NA <50 <50 <50 <50 <50 NA <50 <50 <50 <50 <50 <50 <50 <50 <50 NA <50 <50 <50 <50 <50 NA <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 | | | | | | | | | | | | | | | | | | | NA | NA | NA |
| Juli07 C50 120 51 C50 C5 | | | | | | | | | | | | | | | | | | | <20 | 1300 | <40 |
| Apr-07 | | | | | | | | | | | | | | | | | | | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Oct-10 | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Jan-06 <5.0 150 63 <5.0 - <5.0 <5.0 <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Nov-05 | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| T-15A ZA | | | | | | | | | | | | | | | | | | | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Oct-13 2.0 100 62 2.9 0.46 J 0.35 J 0.70 0.49 J <1.0 <0.50 <1.0 1.0 <0.50 <0.50 <0.60 <1.0 <0.50 <1.0 <0.50 <1.0 <0.50 <1.0 <0.50 <1.0 <0.50 <1.0 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 | | V3.0 | 130 | 33 | \3.0 | | V3.0 | \3.0 | ₹3.0 | \0.U | IVA | \3.0 | \0.0 | INA | ₹3.0 | INA | ₹3.0 | \3.0 | \5.0 | ₹3.0 | \13 |
| Oct-12 <2.5 130 62 3.8 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 < | | 2.0 | 100 | 62 | 2.9 | | 0.46 J | 0.35 J | 0.70 | 0.49 J | $\tilde{J} = I_i$ | <1.0 | < 0.50 | 0.36 J | <1.0 | 1.2 | <0.50 | NA | NA | NA | NA |
| Apr-12 2.2 130 58 3.2 | | | | | | | | | | | | | | | | | | | < 0.50 | < 0.50 | <1.0 |
| Oct-11 3 130 61 3.8 - <2.5 <2.5 <2.5 <2.5 <2.5 <5.0 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <2.5 <td></td> <td><2.5</td> <td><2.5</td> <td><5.0</td> | | | | | | | | | | | | | | | | | | | <2.5 | <2.5 | <5.0 |
| Oct-10 1.3 110 48 2.2 — 0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 | | | | | | | | | | | | | | | | | | | <0.50 <2.5 | <0.50 <2.5 | <1.0 <5.0 |
| Oct-09 <0.50 92 37 2.4 - 0.61 <0.50 0.64 <0.50 <0.50 <1.0 <0.50 <1.0 0.90 <0.50 <0.50 <0.50 <0.50 <1.0 <0.90 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 | | | | | | | | | | | | | | | | | | | <0.50 | <0.50 | <1.0 |
| Oct-07 <5.0 160 75 <5.0 - <5.0 <5.0 <5.0 <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 | | | | | | | | | | | | | | | | | | | < 0.50 | < 0.50 | <1.0 |
| Jul-07 <5.0 130 63 <5.0 - <5.0 <5.0 <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5. | | | | | | | | | | | | | | | | | | | <1 | <1 | <2 |
| May-07 <5.0 140 66 <5.0 - 8.2 <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 <5.0 NA | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Jan-07 5.2 170 87 <5.0 - 7.4 <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 NA <5.0 | | | | | | | | | | | | | | | | | | | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Oct-06 <5.0 140 66 <5.0 - <5.0 <5.0 <5.0 <5.0 <5.0 NA <5.0 NA <5.0 <5.0 <5.0 <5.0 <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA < | | | | | | - | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Apr-06 <5.0 51 140 11 - 29 <5.0 <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 NA< | 6 < | <5.0 | 140 | 66 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-06 <5.0 <5.0 110 <5.0 - 83 <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 NA <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5. | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Nov-05 | | | | | | | | | | | | | | | | | | | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| T-16A ZA Oct-13 1.2 94 69 3.6 32 0.20 J 0.58 <1.0 | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Oct-12 1 68 63 3.2 2.1 <0.50 0.57 0.5 <0.50 <1.0 <0.50 <1.0 1.1 <0.50 <0.50 <0.50 <1.0 <0.50 <0.50 <1.0 1.1 <0.50 <0.50 <0.50 <0.50 <0.50 <1.0 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <1.0 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0 | | 7.50 | | | | | | | | | | | | | | | | | | | |
| Oct-11 1.6 91 67 2.9 - 0.53 <0.50 0.7 <0.50 <1.0 <0.50 <1.0 1.5 <0.50 <0.50 <0.50 <0.50 <0.50 <1.0 <0.50 <1.0 1.5 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <1.0 <0.50 <1.0 0.89 <0.50 <0.50 <0.50 <0.50 <1.0 <0.50 <1.0 0.89 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <1.0 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 </td <td></td> <td>NA</td> <td>NA</td> <td>NA</td> | | | | | | | | | | | | | | | | | | | NA | NA | NA |
| Oct-10 0.81 72 64 2.2 - 0.76 <0.50 <0.50 <0.50 <1.0 <0.50 <1.0 0.89 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 | | | | | | | | | | | | | | | | | | | < 0.50 | < 0.50 | <1.0 |
| Oct-09 0.59 40 44 2.2 - 0.84 <0.50 <0.50 <0.50 <1.0 <0.50 <1.0 0.61 <0.5 0.6 Oct-08 0.9 63 77 2.3 - 2.6 <0.5 | | | | | | | | | | | | | | | | | | | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 |
| Oct-08 0.9 63 77 2.3 - 2.6 <0.5 0.53 <0.5 <1 <0.5 <0.5 <1 1.4 <0.5 <0.5 Oct-07 <5.0 | | | | | | | | | | | | | | | | | | | <0.50 | 0.56 B | <1.0 |
| May-07 <5.0 120 71 <5.0 - 7.3 <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 <5.0 NA <5.0 <5.0 NA | В | 0.9 | 63 | 77 | 2.3 | | 2.6 | <0.5 | 0.53 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <1 | 1.4 | <0.5 | < 0.5 | < 0.5 | < 0.5 | <1 |
| | | | | | | | | | | | 1 | | | | | | | | <5.0 | <5.0 | <15 |
| I DATOC T JED I ON I 400 I JEN I I O'N I JEN I | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| | | | | | | | | | | | | | | | | | | | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| Nov-05 <5.0 24 160 <5.0 - 32 <5.0 <5.0 <5.0 NA <5.0 <5.0 NA <5.0 NA <5.0 NA <5.0 <5.0 <5.0 | | | | | | | | | | | | | | | | | | | <5.0 | <5.0 | <15 |
| T-17A ZA | | 7,17 | | | | | | 1400 | | | 1777 | | | | 1,0 | | | | | | |
| Oct-13 1.3 86 21 0.42 J <0.50 <0.50 0.25 J 0.35 J <1.0 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 | | | | | | | | | | | | | | | | | | | NA <0.FO | NA <0.50 | NA <1.0 |
| | | | | | | | | | | | <0.50 | | | | | | | | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 |
| | | | | | | | | | | | | | | | | | | | <0.50 | <0.50 | <1.0 |
| | | | | | | | | | | | | | | | | | | | <0.50 | <0.50 | <1.0 |

| Well Number/ | PCE (µg/L) | TCE (µg/L) | cis- 1,2-DCE (µg/L) | trans- 1,2-DCE (µg/L) | Total 1,2-DCE (µg/L) | VC (µg/L) | 1,1,1- TCA (μg/L) | 1,1- DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | Freon 11 (µg/L) | Freon 12 (µg/L) | Freon 113 (µg/L) | BFM (µg/L) | 1,2- DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (µg/L) |
|-------------------------------|----------------|----------------|---------------------------|-----------------------------|----------------------------|--------------|-------------------------|-----------------------|-------------------|----------------|-----------------------|-----------------------|------------------------|---------------|-----------------------|----------------------------|----------------|----------------|---------------|---------------|
| Drinking Water Standard | 5 | 5 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-19A ZA Oct-13 | <0.50 | <0.50 | 2.6 | 0.87 | | 2.3 | <0.50 | <0.50 | <0.50 | | <1.0 | <0.50 | <0.50 | <1.0 | 0.92 | 2.6 | NA | NA | NA | NA |
| May-13 Oct-12 | <0.50 <0.50 | <0.50 <0.50 | 3.4 9.1 | 0.84 | | 4.3 5.6 | <0.50 <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <0.50 | <1.0 <1.0 | 0.98 | 2.0 3.8 | <0.50 <0.50 | <0.50 <0.50 | <0.50 | <1.0 <1.0 |
| Apr-12 | < 0.50 | < 0.50 | 2.1 | 1.2 | | 0.92 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | 1.60 | 4.3 | < 0.50 | < 0.50 | 0.77 | <1.0 |
| Oct-11 Oct-10 | <0.50 <0.50 | 4.1 0.89 | 16 7.7 | 1.60 0.72 | | 10 | <0.50 | <0.50 | <0.50 <0.50 | <0.50 | <1.0 <1.0 | <0.50 | <0.50 | <1.0 <1.0 | 1.80 0.87 | 1.3 | <0.50 | <0.50 | <0.50 | <1.0 |
| Apr-10 Dup | <0.50 | 0.89 | 1.6 | < 0.50 | - | 0.81 | <0.50 | < 0.50 | < 0.50 | <0.50 | <1.0 | <0.50 | <0.50 | <1.0 | 0.56 | 1.1 | <0.50 | <0.50 | <0.50 | <1.0 |
| Apr-10 | < 0.50 | 0.98 | 1.6 | < 0.50 | | 0.88 | <0.50 | <0.50 | < 0.50 | < 0.50 | <1.0 | <0.50 | < 0.50 | <1.0 | 0.65 | 1.3 | <0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-09 Feb-09 Dup | <0.50 <0.50 | <0.50 <0.50 | 4.6 2.6 | 0.84 | - | 2.8 | <0.50 | <0.50 | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 | <0.50 | <0.50 | <1.0 <1.0 | 1.3 | 3.9 6.3 | <0.50 NA | <0.50 NA | <0.50 NA | <1.0 NA |
| Feb-09 | < 0.50 | < 0.50 | 1.9 | 0.65 | - | 1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | 1.0 | 6.0 | NA | NA | NA | NA |
| Oct-08 Oct-07 | <50 <5.0 | <50 53 | <50 140 | <50 <5.0 | | <50 8 | <50 <5.0 | <50 <5.0 | <50 | <50 NA | <100 <5.0 | <50 <5.0 | <50 NA | <100 <5.0 | <50 NA | <50 <5.0 | <50 <5.0 | <50 <5.0 | 3500 | <100 <15 |
| Sep-07 | <5.0 | 140 | 55 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 <5.0 | NA NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 <5.0 | <15 |
| T-23A ZA | 0.50 | - 15 | - | 40 | | 7.0 | 0.50 | 0.50 | 0.50 | | 4.0 | 0.50 | 0.50 | | 0.50 | 0.50 | | | | |
| Oct-13 May-13 | <0.50 | 19 48 | 54 57 | 12 4.4 | | 7.6 7.6 | <0.50 | <0.50 | <0.50 | | <1.0 <1.0 | <0.50 | <0.50 | <1.0 | <0.50 | <0.50 | NA <0.50 | NA <0.50 | NA <0.50 | NA <1.0 |
| Oct-12 | <0.50 | 36 | 73 | 2.4 | | 6.6 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 |
| Apr-12 | <0.50 | 2.0 | 58 | 2.0 | | 3.2 | < 0.50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <0.50 | <1.0 | 1.1 | 0.79 | <0.50 | <0.50 | 3.5 | <1.0 |
| Apr-12 Dup Oct-11 | <0.50 0.62 | 2.0 62 | 61 39 | 1.9 4.2 | | 3.0 2.0 | <0.50 <0.50 | <0.50 <0.50 | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 | <0.50 | <0.50 <0.50 | <1.0 <1.0 | 1.0 <0.50 | 0.76 <0.50 | <0.50 <0.50 | <0.50 <0.50 | 3.3 <0.50 | <1.0 <1.0 |
| Oct-10 | 0.60 | 51 | 37 | 4.3 | - | 3.5 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | 0.56 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Apr-10 Oct-09 | <0.50 <0.50 | 41 11 | 19 14 | 2.8 | - | 2.0 3.1 | <0.50 <0.50 | <0.50 | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 | <0.50 | <0.50 | <1.0 <1.0 | 0.54 | <0.50 ND | <0.50 <0.50 | <0.50 <0.50 | <0.50 | <1.0 <1.0 |
| Feb-09 | < 0.50 | 17 | 29 | 2.1 | - | 9.7 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | <0.50 | <1.0 | 1.5 | 1.8 | NA | NA | NA | NA |
| Oct-08 | <10 <5.0 | 16 130 | 12 120 | <10 | - | <10 | <10 | <10 | <10 | <10 | <20 | <10 <5.0 | <10 | <20 | <10 | <10 | <10 | <10 | 890 | <20 |
| Oct-07 Sep-07 | 7.7 | 210 | 21 | <5.0 <5.0 | - | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 | NA NA | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| T-25A ZA | | | | | | | | | | | | | | | | | | | | |
| Oct-13 May-13 | <0.50 <0.50 | 0.57 1.4 | 27 22 | 4.7 3.4 | | 42 22 | <0.50 | <0.50 | 0.75 0.65 | | <1.0 <1.0 | <0.50 <0.50 | <0.50 <0.50 | <1.0 | 2.5 | <0.50 | NA <0.50 | NA <0.50 | NA <0.50 | NA <1.0 |
| Oct-12 | <0.50 | 0.86 | 10 | 3.5 | | 12 | <0.50 | <0.50 | 0.71 | <0.50 | <1.0 | <0.50 | <0.50 | <1.0 | 2.3 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 |
| Apr-12 | <0.50 | 1.1 | 19 50 | 2.7 | | 7.3 | <0.50 | <0.50 | 0.52 | <0.50 | <1.0 | < 0.50 | <0.50 | <1.0 | 3.1 | <0.50 | <0.50 <0.50 | <0.50 | <0.50 | <1.0 |
| Oct-11 Oct-10 | 1.5 0.8 | 63 47 | 50 | 3.0 2.5 | - | 7.3 | < 0.50 | 0.51 <0.50 | <0.50 0.55 | <0.50 | <1.0 <1.0 | <0.50 <0.50 | < 0.50 | <1.0 <1.0 | 1.8 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 <1.0 |
| Apr-10 | 1.0 | 39 | 34 | 2.3 | - | 6.8 | < 0.50 | < 0.50 | < 0.50 | <0.50 | <1.0 | 0.5 | < 0.50 | <1.0 | 2.5 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-09 Feb-09 | ND 1.3 | 26 41 | 17 42 | 2.0 | - | 3.3 9.7 | <0.50 | <0.50 | <0.50 0.55 | <0.50 | <1.0 <1.0 | <0.50 | <0.50 | <1.0 <1.0 | 1.3 3.3 | <0.50 | <0.50 NA | <0.50 NA | <0.50 NA | <1.0 NA |
| Oct-08 | 1.0 | 42 | 38 | 2.2 | | 7.6 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <1 | 4.2 | <0.5 | <0.5 | <0.5 | <0.5 | <1 |
| Oct-07 | <5.0 | 66 160 | 160 | <5.0 | 1 1 | 9.6 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 | <15 |
| Sep-07 36 S ZA | 5.5 | 160 | 52 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | V5.U | V5.U | <5.0 | <15 |
| Oct-13 | 2.3 | 74 | 8.1 | <0.5 | | <0.5 | 0.5 | <0.5 | <0.5 | NA | NA | NA | <2.0 | NA | <5.0 | NA | NA | NA | NA | NA |
| Oct-12 Oct-11 | 2.0 J 1.8 J | 73 | 10 8 | <0.5 <0.5 | | <0.5 | 0.6 | 0.5 | <0.5 <0.5 | NA NA | NA NA | NA NA | <2.0 | NA NA | <5.0 <5.0 | NA NA | NA NA | NA NA | NA NA | NA NA |
| Oct-10+ | 2.0 | 75 | 11 | 0.6 | | <0.5 | 0.7 | 0.5 | <0.5 | NA | NA | NA | <2.0 | NA | <0.5 | NA | NA | NA | NA | NA |
| Oct-09+ Oct-08+ | 2.2 | 80 98 | 9.3 | <0.5 0.6 | - | <0.5 <0.5 | 0.6 | <0.5 <0.5 | <0.5 <0.5 | NA NA | NA NA | NA NA | <2.0 | NA NA | <0.5 | NA NA | NA NA | NA NA | NA NA | NA NA |
| Oct-07+ | 1.5 | 70 | 15 | 0.0 | 1 E E | <0.7 | <0.7 | 0.8 | <0.7 | ND | ND | ND | <0.7 | ND | <0.7 | <0.7 | NA | NA | NA | NA |
| Oct-06+ | 2.6 | 98 | 20 | 0.9 | | <0.5 | 0.9 | 0.6 | <0.5 | ND | ND | ND | 0.8 | ND | <0.5 | <0.5 | NA | NA | NA | NA |
| Oct-05+ Oct-04+ | 1.8 | 91 | 34 | 1.1 | | <0.5 | 1.1 | 0.6 | <0.5 0.5 | ND ND | ND ND | ND ND | 1.9 | ND ND | <0.5 | <0.5 | NA NA | NA NA | NA NA | NA NA |
| Oct-03+ | 1.7 | 100 | 53 | 1.6 | _ | 1.1 | 1.2 | 0.7 | 0.7 | ND | ND | ND | <1.0 | ND | <0.5 | <0.5 | NA | NA | NA | NA |
| Oct-02+ Oct-01+ | 1.8 | 140 140 | 70 110 | 1.9 2.8 | - | <0.5 <0.5 | 1.7 2.5 | 0.8 | 0.7 1.0 | ND ND | ND ND | ND ND | 1.2 | ND ND | <0.5 | <0.5 <0.5 | NA NA | NA NA | NA NA | NA NA |
| Oct-00+ | 1.3 | 83 | 100 | 5.6 | - | <1.0 | 1.6 | 1.2 | 0.9 | ND | ND | ND | 1.8 | ND | <0.5 | <0.5 | NA | NA | NA | NA |
| Oct-99 Oct-97+ | 1.2 <0.5 | 50 20 | 83 16 | 4.4 5.2 | - | <1.0 <0.5 | 1.7 <0.5 | <1.0 | <1.0 | ND ND | ND ND | ND ND | 1.0 <0.5 | ND | <0.5 | <1.0 | NA | NA NA | NA | NA NA |
| Oct-96 | 0.7 | 25 | 6.1 | 3.0 | 1 1 | <0.5 | <0.5 | <0.5 | <0.5 <0.5 | ND | ND | ND | <0.5 | ND ND | <0.5 | <0.5 <0.5 | NA NA | NA NA | NA NA | NA NA |
| Oct-95 | <1.0 | 21 | |) \ 4 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | <1.0 | NA | NA | NA | NA |
| Oct-94 Oct-93 | <5.0 <2.5 | 19 66 | - | _ | <5.0 <2.5 | <5.0 <5.0 | <5.0 <2.5 | <5.0 <2.5 | <5.0 <2.5 | ND ND | ND ND | ND ND | <5.0 <2.5 | ND ND | <5.0 <2.5 | <5.0 <2.5 | NA NA | NA NA | NA NA | NA NA |
| Oct-92 | 2.1 | 35 | - | - | <0.5 | <1.0 | <0.5 | < 0.5 | <0.5 | ND | ND | ND | NA | ND | < 0.5 | <0.5 | NA | NA | NA | NA |
| Oct-89 May-88 | 3.9 | 130 140 | - | - | 13 26 | <0.5 <1.0 | 5.7 | 0.8 3.3 | <0.5 1.6 | 4 | - 1 | 1 4 | 13 | ND ND | <0.5 | - | 1 1 | 1 1 |) 4 | |
| Jan-88 | 5.8 | 170 | - | - | 15 | <1.0 | 23 | 3.8 | 1.3 | - | _ | | 14 | ND | <1.0 | - | - 1 | 1 | 1 - | |
| Oct-87 | 3.5 | 160 | - | 1 - | 10 | <1.0 | 20 | 2.5 | 1.7 | - | - 40 | 124 | 14 | ND | <1.0 | , v2x1 | | 1 | 2 8/ | 19 |
| Jun-87 Apr-87 | <1.0 | 170 200 | - | - | 11 | <1.0 <2.5 | 15 34 | 1.6 | <1.0 <2.5 | - | - | - | 8.2 19 | ND ND | <1.0 | _ | 1 | 1 1 |) = | 3 |
| Jan-87 | <10 | 140 | - | 1-4 | <10 | <10 | 34 | <10 | <10 | - | - | | 28 | ND | <10 | - | - | 1-1 |) = | 1.91 |
| Sep-86 Jul-86 | 5.3 3.3 | 200 59 | - | - | 5.75 7.7 | <1.0 <0.5 | 27.5 32 | 2.9 3.2 | 2.1 | - | - | 2 | 16.5 15 | ND ND | 7.95 | - | 1 | | 3 8 | - 3 |
| Apr-86 | 3.4 | 130 | - | - | 10 | <0.5 | 36 | 3.5 | 1.5 | - | - | | <0.5 | ND | <0.5 | = | 1 | 1 | 3 = | - |
| Jan-86 | 11 | 190 | - | 14 | 25 | <2.0 | 42 | 3.4 | <2.0 | (n=n) | | (L)#" | <2.0 | ND | <2.0 |) r 2 r | - | - |) + | - |
| Oct-85 Nov-84 | <5.0 4.7 | 250 150 | - | - | 23 8.8 | <5.0 NA | 65 19 | <5.0 NA | <5.0 NA | - | - | | 90 NA | ND ND | ND NA | _ | 1 | 1 | 3 4 | |
| Aug-84 | 8 | 230 | - | - | 12 | ND | 23 | 2 | ND | - | - | | 40 | ND | ND | 7 20 | - | - |) = | - |
| Mar-84 | NA 19 | 360 | - | 14 | NA <1.0 | NA | NA | NA 16 | NA | [P427] | - 40 | 1.04.1 | NA <1.0 | ND | NA ND | (1) (2) (1) (1) (2) (1) | - | 1 |) 0 | - |
| Aug-83 May-83 | ND | 470 82 | - | - | <1.0 ND | ND ND | 36 ND | 16 ND | <1.0 ND | - | - | - | <1.0 ND | ND ND | ND | - | 1 | 1 |) = | |
| Apr-83 | 13 | 400 | 1 1- | 3-4 | 23 | ND | 16 | ND | ND | 0-27 | | 1-2-1 | 12 | ND | ND | 7-2-1 | - | - | 1 4 | - |
| Aug-82 Jun-82 | 10 18 | 590 710 | | - | 55 <10 | ND ND | 19 42 | <2.0 | <2.0 <10 | -0 | - | - | 19 | ND ND | ND ND | - | | - | - | - |
| vuii UZ | 10 | 7.10 | | | 10 | IND | 74 | 110 | 110 | | | | 10 | HU | NU | | | | | |

| | | | cis- | trans- | Total | | 1,1,1- | 1,1- | | | Freon | Freon | Freon | | 12 | | | | | |
|--------------------|-------------|------------|------------|-------------|----------|------------|-------------|-------------|-------------|----------|----------|--------------|-------------|----------|-------------|------------------------|----------|----------|------------------|----------|
| Well Number/ | PCE | TCE | 1,2-DCE | 1,2-DCE | 1,2-DCE | VC | TCA | DCE | 1,1-DCA | CDM | 11 | 12 | 113 | BFM | 1,2- DCB | CBN | BEN | EBN | TOL | XYL |
| Dates | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) |
| Drinking | 11 7 | 1137 | 1137 | 1137 | 1137 | 1137 | 1137 | 437 | 457 | 107 | 1137 | 1137 | 1137 | 1137 | 11.5 | 1137 | 1137 | 113 | 1137 | 1137 |
| Water | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| Standard | | | | | | | | | | | | | | | | | | | | |
| 36D ZA | -77.0 | | F. K-V | | | | | | 100 | 1 | 1 | | 37.7 | - 66 | 5 100 | | 100 | 7-17-0 | 1-73 | |
| Oct-13 | 1.3 | 38 | 28 | 0.8 | _ | < 0.5 | <0.5 | 0.6 | < 0.5 | NA | NA | NA | <2.0 | NA | <5.0 | NA | NA | NA | NA | NA |
| Oct-11 | 1.6 J | 47 | 29 | 1.0 | _ | <0.5 | <0.5 | 0.6 | < 0.5 | NA | NA | NA | <2.0 | NA | <5.0 | NA | NA | NA | NA | NA |
| Oct-11 | 0.7 J | 29 | 34 | 1.2 | - | <0.5 | <0.5 | 0.7 | < 0.5 | NA | NA | NA | <2.0 | NA | <5.0 | NA | NA | NA | NA | NA |
| Oct-10+ | 1.4 | 47 | 34 | 1.2 | - | <0.5 | <0.5 | 0.7 | <0.5 | NA | NA | NA | <2.0 | NA | <0.5 | NA | NA | NA | NA | NA |
| Oct-09+ | <0.5 | 19 | 40 | 1.1 | _ | <0.5 | <0.5 | 0.5 | <0.5 | NA | NA | NA | <2.0 | NA | <0.5 | NA | NA | NA | NA | NA |
| Oct-08+ | 0.7 | 27 | 5.8 | <0.5 | - | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NA | <2.0 | NA | <0.5 | NA | NA | NA | NA | NA |
| Oct-07+ | <0.5 | 17 | 6.1 | <0.5 | - | <0.5 | <0.5 | <0.5 | <0.5 | 0.8 | ND | ND | <0.5 | ND | < 0.5 | <0.5 | NA | NA | NA | NA |
| Oct-06+ Oct-05+ | 2.1 | 92 4.6 | 42 1.5 | 1.6 <0.5 | - | 0.6 | 0.9 <0.5 | 1.0 | 0.7 <0.5 | ND | ND | ND ND | 1.2 | ND | <0.5 | <0.5 | NA | NA | NA NA | NA NA |
| Oct-05+ | <0.5 1.6 | 85 | 46 | 1.7 | | 0.5 2.4 | 1.1 | <0.5 0.8 | 0.6 | ND ND | ND ND | ND | <1.0 1.7 | ND ND | <0.5 | ND ND | NA NA | NA NA | NA | NA NA |
| Apr-04 | <1.0 | 45 | 27 | 2.5 | | 12 | <1.0 | <1.0 | <1.0 | NA | <1.0 | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| Oct-03+ | 1.7 | 110 | 57 | 1.5 | _ | 0.9 | 1.3 | 0.9 | 0.8 | ND | ND | ND | 1.1 | ND | 0.8 | ND | NA | NA | NA | NA |
| Apr-03 | <1.0 | 69 | 40 | <1.0 | - | 8.2 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Oct-02+ | 1.8 | 150 | 90 | 2.3 | _ | <0.5 | 1.7 | 1.2 | 1.0 | ND | ND | ND | 1.9 | ND | 1.1 | ND | NA | NA. | NA | NA |
| Oct-02+ | 0.9 | 67 | 48 | 1.1 | | <0.5 | 1.2 | 0.6 | <0.5 | ND | ND | ND | 1.4 | <1.0 | <0.5 | ND | NA | NA | NA | NA |
| Oct-00+ | 1.6 | 110 | 97 | 2.2 | _ | <1.0 | 1.9 | 1.0 | 0.8 | ND | ND | ND | 1.6 | ND | 0.7 | ND | NA | NA | NA | NA |
| Oct-00 Dup+ | 1.6 | 100 | 91 | 2.5 | _ | <1.0 | 1.8 | 1.1 | 0.7 | ND | ND | ND | 1.5 | ND | 0.7 | ND | NA | NA | NA | NA |
| Oct-99 | <2.0 | 85 | 120 | 2.7 | - | <2.0 | 2.6 | <2.0 | <2.0 | ND | ND | ND | <2.0 | ND | <2.0 | ND | NA | NA | NA | NA |
| Apr-98+ | <5.0 | 81 | 130 | <5.0 | | <5.0 | NA | <5.0 | <5.0 | ND | ND | ND | <20 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-97+ | < 0.5 | 52 | 91 | 1.2 | - | < 0.5 | 2.1 | < 0.5 | 0.9 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-96 | 1.2 | 48 | 34 | < 0.5 | 100 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | 0.6 | ND | NA | NA | NA | NA |
| Oct-95 | <1.0 | 25 | () (E. () | 14 | 2.1 | <2.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-94 | <5.0 | 66 | - | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-93 | <5.0 | 94 | - | - | <5.0 | <10 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-92 | 2.1 | 92 | 1 - (| - | 6.4 | <1.0 | 1.0 | < 0.5 | < 0.5 | ND | ND | ND | NA | ND | 1.6 | ND | NA | NA | NA | NA |
| Apr-92 | 4.0 | 180 | - | | 25 | <1.0 | 3.0 | 1.0 | 2.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Jan-92 | 1.6 | 170 | - | 1 | 48 | <1.0 | 2.9 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | 1.6 | ND | NA | NA | NA | NA |
| Oct-91 | 2.5 | 120 | - | - | 41 | <0.5 | 2.2 | 1.8 | 1.2 | ND | ND | ND | 0.6 | ND | 2.3 | ND | NA | NA | NA | NA |
| Jul-91 | 2.0 | 130 | - | | 32 | <1.0 | 1.0 | <1.0 | 1.0 | ND | ND | ND | 1.0 | ND | 3.0 | ND | NA | NA | NA | NA |
| Apr-91 | <2.0 | 180 | - | - | 48 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | <2.0 | ND | <2.0 | ND | NA | NA | NA | NA |
| Jan-91 | 2.0 | 120 | - | - | 39 | <1.0 | 1.0 | 1.0 | 1.0 | ND | ND | ND | <1.0 | ND | 3.0 | ND | NA | NA | NA | NA |
| Oct-90 | 2.6 | 120 | - | 1-1 | 37 | <0.5 | 2.7 | <0.5 | <0.5 | ND | ND | ND | < 0.5 | ND | 2.1 | ND | NA | NA | NA | NA |
| Jul-90 | 3.0 | 110 170 | - | - | 31 18 | <0.5 | 2.7 | 1.3 | 0.9 <1.0 | ND ND | ND ND | ND ND | 1.3 <1.0 | ND ND | 5.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-90 Jan-90 | 3.0 | 170 | - | _ | 26 | <1.0 | 4.0 | 2.0 | <1.0 | ND | ND | ND | 1.0 | ND | 4.0 | ND | NA | NA | NA | NA |
| Oct-89 | 4.3 | 120 | _ | - | 23 | <0.5 | 9.6 | 2.7 | 0.8 | - | ND | - | 7.4 | ND | <0.5 | - IND | - INA | - | - NA | - |
| Aug-89 | 4.5 | 200 | - | - | 27 | <2.0 | 10 | 6 | <2.0 | _ | ND | - | 7 | ND | 8 | - | - | - | - | |
| May-89 | <2.5 | <2.5 | - | - | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | _ | ND | - | <2.5 | ND | <2.5 | 702 | - | _ | 0 - | |
| Feb-89 | <5.0 | 180 | - | - | 36 | <5.0 | 8 | <5.0 | <5.0 | - | ND | 124 | 12 | ND | <5.0 | The state of | - | - | 0 4 | 12 |
| Feb-89 | <2.0 | 61 | 1 | _ | 21 | <2.0 | 4 | <2.0 | <2.0 | - | ND | - | <2.0 | ND | 5 | 2 - 2 - 1 | | - | 0 = | |
| Feb-89 | <2.0 | 51 | - | - | 17 | <2.0 | 3 | <2.0 | <2.0 | - | ND | | <2.0 | ND | 3 | 7620 | - 2 | V-1 | 5 A | - 1 |
| Nov-88 | 3.2 | 180 | - 1 | - | 37 | <1.0 | 14 | 3.5 | 1.6 | - | ND | - | 16 | ND | 13 | 2 | | - | 2 - | |
| Aug-88 | 5 | 150 | - | 14 | 53 | <1.0 | 30 | 5.6 | 2.8 | 12 | ND | 124 | 34 | ND | 11 | 72 | | 1 | 0 8 | 1 - |
| May-88 | 4.2 | 170 | - | 1 | 47 | <1.0 | 31 | 5.5 | 2.6 | - | ND | | 20 | ND | 11 | (44) | - | 1 |) (| - |
| Jan-88 | 4.1 | 100 | - | - | 20 | <1.0 | 34 | 3.5 | 1.9 | - | ND | | 30 | ND | 9.4 | - | - | 1 | - | - |
| Oct-87 | 3.3 | 68 | - | 1 | 16 | < 0.5 | 29 | 3.4 | 2.3 | 1-1 | ND | | 22 | ND | 14 | - | - | 1 |) - / | 1 |
| Jun-87 | 5.9 | 170 | - | - | 14 | <1.0 | 22 | 2.9 | 1.9 | - | ND | - | 21 | ND | 24 |) = 4(1) | - | - | | - |
| Apr-87 | 3 | 160 | 1-4 | 4 | 13 | <1.0 | 25 | 4.7 | 1.7 | - | ND | 174 | 16 | ND | 18 | 7 4 | - | 1 |) 1 4 | - |
| Jan-87 | <10 | 170 | | - | <10 | <10 | 28 | <10 | <10 | - | ND | - A | 54 | ND | <10 | n.a.c | - | 1.4.1 | - | H-AIT |
| Sep-86 | 20 | 170 | | - | 8.6 | <1.0 | 40 | 5.1 | 3.5 | - | ND | 2 | 17 | ND | 18 | | ~ | - | - | - |
| Jul-86 | 3.6 | 60 | - | - | 10 | <0.5 | 43 | 4.8 | 2.3 | - | ND | - | 25 | ND | <0.5 | 12 | - | - | - | - |
| Apr-86 | 3 | 130 | - | - | 12 | <0.5 | 39 | 4.3 | 1.9 | - | ND | - | <0.5 | ND | <0.5 | 2 | - | _ | 0 | - |
| Oct-85 | 16 | 220 | - | - | 17 | <5.0 | 77 | <5.0 | <5.0 | - | ND | | 120 | ND | <5.0 |) (C 2)(C) | - | - | 0 | - |
| Nov-84 | 4.2 | 160 | - | - | 10 | NA | 26 | NA | NA | - | ND | - | NA 20 | ND | NA | - | - | - | 0 + | - |
| Aug-84 | 6 | 180 | - | - | 12 | ND | 19 | 2 | ND | - | ND | - | 30 | ND | ND | _ | - | - | 0 | - |
| Mar-84 | NA 1E | 260 | - | - | NA 10 | NA | NA 36 | NA 12 | NA 16 | - | ND | _ | NA <1.0 | ND | NA | - | | - | 9 = | - |
| Aug-83 Jul-83 | 15 8 | 600 650 | - | _ | 18 38 | NA ND | 18 | 13 | 16 | - | ND ND | 3.24 1.24 | <1.0 ND | ND ND | NA ND | 2 2 | 1 | - | 0 = | -2 |
| May-83 | 14 | 9,200 | - | | ND | ND | 18 | ND | ND | | ND | | ND | ND | ND | | | | | |
| Aug-82 | 6.8 | 500 | = | - | 52 | ND | 19 | <2.0 | <2.0 | _ | ND | | <2.0 | ND | ND | 200 | 1 | - | - | - |
| | O.O | 300 | | | JZ. | ND | 13 | V2.U | \Z.U | | NU | | VZ.U | IND | IND | | _ | | | |

| Well Number/ Dates | PCE (µg/L) | TCE (µg/L) | cis- 1,2-DCE (µg/L) | trans- 1,2-DCE (µg/L) | Total 1,2-DCE (µg/L) | VC (µg/L) | 1,1,1- TCA (µg/L) | 1,1- DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | Freon 11 (µg/L) | Freon 12 (µg/L) | Freon 113 (µg/L) | BFM (µg/L) | 1,2- DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (µg/L) |
|-------------------------------|---------------|-----------------|---------------------------|-----------------------------|----------------------------|--------------|-------------------------|-----------------------|-------------------|---------------|-----------------------|-----------------------|------------------------|---------------|-----------------------|----------------------|---------------|---------------|-------------------|---------------|
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| 37S ZA | | | A TALES | | | | 7-10-0 | | 1034 | 0 | | to cont | 100 | TER S | \$ 50.00 | 355 | 777 | 700 | 1-11-1 | |
| Oct-13 | 1.0 | 95 | 1.6 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NA | <2.0 | NA | <5.0 | NA | NA | NA | NA | NA |
| Oct-12 | 0.8 J | 63 | 2.5 | <0.5 | - | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NA | <2.0 | NA | <5.0 | NA | NA | NA | NA | NA |
| Oct-11 Oct-10+ | 0.8 J 0.9 | 63 60 | 2.3 3.7 | <0.5 <0.5 | - | <0.5 <0.5 | <0.5 <0.5 | <0.5 | <0.5 <0.5 | NA NA | NA NA | NA NA | <2.0 | NA NA | <5.0 <0.5 | NA NA | NA NA | NA NA | NA NA | NA NA |
| Oct-09+ | 1.4 | 91 | 2.2 | <0.5 | _ | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NA | <2.0 | NA | <0.5 | NA | NA | NA NA | NA | NA |
| Oct-08+ | 1.1 | 81 | 3.6 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NA | <2.0 | NA | <0.5 | NA | NA | NA | NA | NA |
| Oct-07+ | 1.0 | 81 | 2.4 | <0.5 | 10-40 | <0.5 | <0.5 | <0.5 | < 0.5 | ND | ND | ND | 1.8 | ND | < 0.5 | <0.5 | NA | NA | NA | NA |
| Oct-05+ | 1.0 | 91 11 | 5.2 3.3 | <0.7 <0.7 | - | <0.7 | <0.7 | <0.7 | <0.7 | ND | ND | ND | <1.4 1.9 | ND | <0.7 | ND | NA NA | NA | NA NA | NA |
| Oct-04+ Oct-03+ | 1.2 | 160 | 2.9 | <0.7 | - | <0.7 | <0.7 <0.6 | <0.7 | <0.7 <0.6 | ND ND | ND ND | ND ND | <1.3 | ND ND | <0.7 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-02+ | 0.9 | 170 | 3.7 | <0.7 | _ | <0.7 | <0.7 | <0.7 | <0.7 | ND | ND | ND | <1.4 | ND | <0.7 | ND | NA | NA | NA | NA |
| Oct-01 | <5.0 | 140 | <5.0 | <5.0 | 120 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <20 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-00+ | 1.2 | 200 | 9.7 | <0.5 | 4 | 1.8 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | 2.1 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-99 | <5.0 | 180 | <5.0 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-97+ Oct-96 | <2.5 1.2 | 260 270 | 12 6.3 | <2.5 | | <2.5 | <2.5 <1.0 | <2.5 | <2.5 <1.0 | ND ND | ND ND | ND ND | <2.5 | ND ND | <2.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-95 | <1.0 | 380 | - | - | 7.1 | <2.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | 3.8 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-94 | <5.0 | 330 | - | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-93 | <5.0 | 400 | - | - | 8.0 | <10 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Jun-88 | <1.0 | 150 | - | 1-1 | 170 | <1.0 | 5.8 | <1.0 | <1.0 | 4 | 13-4-0 | ND | <1.0 | ND | <1.0 | | - | 1 | 1 4 | |
| Jan-88 Jan-87 | <10 <5.0 | 1,100 600 | _ | - | 34 25 | <10 <5.0 | <10 <5.0 | <10 <5.0 | <10 <5.0 | - | - | ND ND | 95 52 | ND ND | <10 <5.0 | - | 1 | - | - | -1 |
| Nov-84 | 6.6 | 1,300 | _ | _ | 32 | NA | 3.2 | NA | NA | _ | - | ND | NA | ND | NA | _ | - | _ | _ | - |
| Aug-84 | 8 | 760 | - | 14. | 52 | ND | 4 | ND | ND | 12 | - | ND | ND | ND | ND |) - Apr. 1 | | 10-21 | 1 4 | |
| Mar-84 | NA | 1,400 | - 1 | - | NA | NA | NA | NA | NA | 4 | | ND | NA | ND | NA | | 1 | 10-11 | 1 4 | - |
| Sep-83 | 37 | 4,200 | - | - | 290 | NA | 4 | ND | ND | 1 | , P40 0 | ND | 190 | ND | NA | 2 | 1 | - | - | 1 |
| Sep-83 | 47 34 | 3,500 41,000 | - | - | 240 | NA | 5 13 | ND 2.0 | ND 1.C | 1 | | ND ND | <1.0 | ND ND | NA | 2 | 1 1 | - | - | |
| Aug-83 May-83 | ND | 270 | _ | _ | 4,600 17 | 5 ND | ND | ND | 1.6 ND | - | - | ND | ND | ND | ND ND | - | _ | | _ | - |
| Apr-83 | 10 | 330 | _ | - | 77 | ND | ND | ND | ND | - | - | ND | 120 | ND | ND | 2 | | _ | - | |
| Aug-82 | 9 | 1,400 | - | - | 27 | ND | 13 | <2.0 | <2.0 | 4 | . ~ (| ND | 78 | ND | ND | 3 | 1 | 19-21 | 1 | 11- |
| Jun-82 38 S ZA | <10 | 2,600 | | - | <10 | ND | <10 | <10 | <10 | | - | ND | 370 | ND | ND | | | | | |
| Oct-13 | 0.93 | 96 | 150 | 1.7 | | 7.4 | <0.50 | 0.70 | 0.36 J | | <1.0 | <0.50 | 1.4 | <1.0 | <0.50 | < 0.50 | NA | NA | NA | NA |
| May-13 Oct-12 | <2.5 0.84 | 60 91 | 180 200 | <2.5 2.5 | | 7.2 11 | <2.5 <0.50 | <2.5 0.84 | <2.5 <0.50 | <0.50 | <5.0 <1.0 | <2.5 <0.50 | <2.5 1.8 | <5.0 <1.0 | <2.5 <0.50 | <2.5 <0.50 | <2.5 <0.50 | <2.5 <0.50 | <2.5 <0.50 | <5.0 <1.0 |
| Apr-12 | < 0.50 | 32 | 120 | 1.4 | | 11 | < 0.50 | 0.60 | <0.50 | <0.50 | <1.0 | < 0.50 | 0.80 | <1.0 | < 0.50 | <0.50 | < 0.50 | <0.50 | <0.50 | <1.0 |
| Oct-11 | <2.5 | 130 | 140 | <2.5 | T-A-7. | 6.7 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 | <2.5 | <2.5 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 |
| Oct-10 | 1.3 | 150 | 130 | 1.8 | 1 | 5.7 | < 0.50 | 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | 1.5 | <1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-09 | 1.5 | 150 | 120 | 2.8 | - | 6.3 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | 1.1 | <1.0 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 |
| Oct-08 Oct-07 | 0.65 | 50 85 | 82 50 | 2.4 0.82 | - | 30 16 | <0.5 <0.5 | <0.5 <0.5 | <0.5 <0.5 | <0.5 <0.5 | <1 <1.0 | <0.5 <0.5 | 0.61 | <1.0 | <0.5 | <0.5 | <0.5 <0.5 | <0.5 <0.5 | <0.5 <0.5 | <1.0 |
| Oct-06 | 1.5 | 130 | 33 | <1.0 | _ | 5.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA NA |
| Oct-05 | 2.0 | 140 | 68 | 1.5 | - | 14 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA |
| Oct-04 | <5.0 | 190 | 190 | <5.0 | - | 6.9 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <10 | <5.0 | <20 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-03 | <1.0 | 51 | 110 | 1.2 | - | 21 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <1.0 | <4.0 | <1.0 | <1.0 | NA | NA | NA | NA |
| Oct-02 Oct-01 | 2.6 <5.0 | 240 170 | 200 120 | 6.3 <5.0 | | 8.6 <5.0 | <2.0 <5.0 | <2.0 <5.0 | <2.0 <5.0 | <2.0 <5.0 | <4.0 <5.0 | <4.0 <10 | 3.5 <20 | <8.0 <20 | <2.0 <5.0 | <2.0 <5.0 | NA NA | NA NA | NA NA | NA NA |
| Oct-00 | <20 | 240 | 240 | <20 | - 2- | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | NA NA | NA NA | NA | NA NA |
| Oct-99 | <5.0 | 270 | 240 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-97+ | <5.0 | 160 | 520 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-96 | <1.7 | 440 | 540 | 4.0 | 400 | <1.7 | <1.7 | 2.7 | <1.7 | ND | ND | ND | 2.9 | ND | <1.7 | ND | NA | NA NA | NA | NA |
| Oct-95 Oct-94 | <10 <5.0 | 1,100 910 | = | - | 180 190 | <20 <5.0 | <10 <5.0 | <10 <5.0 | <10 <5.0 | ND ND | ND ND | ND ND | <10 <5.0 | ND ND | <10 <5.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| May-88 | <25 | 3,400 | _ | _ | 240 | <25 | <25 | <25 | <25 | - | ND | - ND | 95 | ND | <25 | - ND | - INA | - INA | - NA | - INA |
| Jan-88 | <50 | 2,900 | - | - | 240 | <50 | <50 | <50 | <50 | - | ND | | <50 | ND | <50 | 2 | - | - |) 14 | - |
| Oct-87 | <25 | 2,400 | - | 100 | 270 | <25 | <25 | <25 | <25 | 1 | ND | 1 - | 100 | ND | <25 | X = 0 | - | 1-1 | 0 0 | - |
| Jun-87 | 260 | 2,200 | - | - | 910 | <10 | 13 | <10 | <10 | 4 | ND | | 83 | ND | <10 | 2 -2 -1 | 7 | - | 2 - | - |
| Apr-87 Jan-87 | 26 <10 | 2,700 2,500 | - | - | 420 220 | <10 <10 | 74 <10 | <10 <10 | <10 <10 | - | ND ND | - | 91 180 | ND ND | <10 <10 | <u>-</u> | 1 1 | - | 3 - | |
| Sep-86 | <25 | 4,600 | - | _ | 120 | <25 | <25 | <25 | <25 | - | ND | - | 150 | ND | <25 | - | = | - | 5 = | = |
| Jul-86 | <5.0 | 2,800 | - | 14 | 200 | <5.0 | <5.0 | <5.0 | <5.0 | | ND | 12 | 250 | ND | <5.0 | (A) | - | 1-1 |) | 1 - |
| Oct-85 | 45 | 3,700 | - | 14 | 410 | <25 | 33 | <25 | <25 | - | ND | 122 | 590 | ND | <25 | 1 Art 1 | - | -1 |) | - |
| Nov-84 | 28 | 3,200 | - | 1,44 | 510 | NA | 20 | NA | NA | 1 | ND | | NA | ND | NA |) x 3 x 1 | 1 | -1 |) (-) | - |
| Aug-84 | 28 | 1,400 | - | - | 1100 | ND | 5 | 3 | ND NA | - | ND | 200 | ND | ND | ND | - | - | - | - | - |
| Mar-84 Sep-83 | NA 59 | 3,500 2,700 | - | - | NA 970 | NA ND | NA <2.0 | NA <4.0 | NA 1 | 4 | ND ND | - | NA 140 | ND ND | NA ND | 2 | 1 | - |) A | |
| Sep-83 | 72 | 6,300 | _ | _ | 1700 | ND | <2.0 | 4 | 3 | - | ND | - | 120 | ND | ND | _ | _ | _ | 5 = | - |
| May-83 | 23 | 2,000 | - | - | 350 | ND | ND | ND | ND | - | ND | 2 | ND. | ND | ND | 1.20 | - | = | 1 = | - 3 |
| Aug-82 | 17 | 2,200 | 100 | 1 1 | 300 | ND | <2.0 | <2.0 | <2.0 | | ND | | 35 | ND | ND | 2020 | - | | 0.00 | 1 |
| | | | | | | | | | | | | | | | | | | | | |
| Aug-82 Jun-82 | 76 <10 | 40,000 1,250 | - | _ | 3100 <10 | 3 ND | 6.4 <10 | 2 <10 | 2.6 <10 | - | ND ND | - | <1.0 103 | ND ND | ND ND | 201 | - | - | - | - |

| | | | cis- | trans- | Total | | 1,1,1- | 1,1- | | | Freon | Freon | Freon | | 1,2- | | | | | |
|-------------------------------|-----------------------|------------------|-------------------|-------------------|-------------------|-----------------|---------------|---------------|-------------------|---------------|---------------|--------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|
| Well Number/ Dates | PCE (µg/L) | TCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | VC (µg/L) | TCA (µg/L) | DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | 11 (µg/L) | 12 (µg/L) | 113 (µg/L) | BFM (µg/L) | DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (μg/L) |
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| EDUCTOR ZA | - | | | | | | | | - | | | | | | 0 1 | | | | | |
| Oct-13 | <500 | <500 | 29,000 | <500 | T-PT | 1,800 | <500 | <500 | <500 | 4 | <1000 | <500 | <500 | <1000 | <500 | <500 | NA | NA | NA | NA |
| May-13 | <1000 | 1,000 | 37,000 | <1,000 | 10-6-11 | 2,900 | <1000 | <1000 | <1000 | Ť | <2000 | <1000 | <1000 | <2000 | <1000 | <1000 | <1000 | <1000 | <1000 | <2000 |
| Oct-12 | <1,000 | 1,200 | 83,000 | <1,000 | - | 5,200 | <1,000 | <1,000 | <1,000 | <1,000 | <2,000 | <1,000 | <1,000 | <2,000 | 2,400 | <1,000 | <1,000 | <1,000 | <1,000 | <2,000 |
| Apr-12 Oct-11 | <50 <50 | 620 54 | 93,000 8,000 | 74 <50 | - | 6,400 1,100 | <50 <50 | 110 <50 | <50 <50 | <50 <50 | <100 <100 | <50 <50 | <50 <50 | <100 <100 | 880 <50 | 190 <50 | <50 <50 | 120 <50 | <50 <50 | 430 <100 |
| May-11 | <500 | 3,600 | 100,000 | <500 | - | 11,000 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | 1,500 | <500 | <500 | <500 | <500 | <500 |
| Mar-11 | <500 | 1,100 | 94,000 | <500 | _ | 5,900 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 |
| Nov-10 | <500 | 670 | 29,000 | <500 | 0- | 2,700 | <500 | <500 | <500 | <500 | <1,000 | <500 | <500 | <1,000 | 1,300 | 660 | 1 | - | 9 91 | - |
| Oct-10 | <200 <200 | 2,100 | 78,000 | <200 <200 | - | 67,000 | <200 <200 | <200 <200 | <200 <200 | <200 | <400 | <200 <200 | <200 | <400 <400 | 1,900 | 6900 | <200 <200 | <200 230 | <200 <200 | <400 <400 |
| Oct-09 Oct-08 | <2000 | <200 100,000 | 34,000 23,000 | <2000 | = | 9,300 28,000 | <2000 | <2000 | <2000 | <200 <2000 | <400 <4000 | <2000 | <200 <2000 | <4000 | 1,600 3100 | 840 5200 | <2000 | <2000 | <2000 | <4000 |
| Oct-07 | 55 | 3,500 | 8,300 | 120 | - | 15,000 | <5.0 | 30 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 4,200 | <5.0 | <500 | 13 | 1,300 |
| Apr-07 | <5.0 | 5.1 | 29,000 | 200 | | 28,000 | <5.0 | 57 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 14 | <5.0 | <200 | 9.2 | 960 |
| Oct-06 | <100 | <100 | 25,000 | <100 | - | 9,800 | <100 | <100 | <100 | NA | <100 | <100 | NA | <100 | NA | 2,200 | <100 | 290 | <100 | 880 |
| Apr-06 | <5.0 | <5.0 | 20,000 | <500 | - | 8,500 | <5.0 | 37 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 1,500 | <5.0 | 160 | 5.7 | 200 |
| Jan-06 Oct-05 | 150 <250 | 4,800 <250 | 2,300 3,600 | 30 <250 | - | 12,000 3,900 | <5.0 <250 | 12 <250 | <5.0 <250 | NA NA | <5.0 <250 | <5.0 <250 | NA NA | <5.0 <250 | NA NA | 3,000 1,000 | <5.0 <250 | <500 <250 | 9.9 | <1500 <750 |
| Sep-05 | <250 | <250 | 27,000 | <250 | _ | 18,000 | <250 | <250 | <250 | <250 | <250 | <500 | <250 | <250 | 420 | 2,900 | NA NA | NA | NA | NA NA |
| Jul-05 | 82 | 2,200 | 27,000 | 150 | - | 15,000 | <5.0 | 130 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 3,600 | <5.0 | <500 | 11 | 1,200 |
| Jul-05-Dup | 92 | 2,100 | 27,000 | 180 | _ | 14,000 | <5.0 | 140 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 3,500 | <5.0 | <500 | 11 | 1,100 |
| Apr-05 | 23 | 490 | 19,000 | 160 | - | 33,000 | <5.0 | 57 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 2,900 | <5.0 | 340 | 8.7 | 1,180 |
| Apr-05 Dup Jan-05 | 23 <0.5 | 430 <0.5 | 19,000 4,700 | 160 180 | - | 35,000 4,400 | <5.0 <5.0 | 66 9.3 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | NA NA | 2,800 1,900 | <5.0 <5.0 | 330 200 | 9.6 <5.0 | 1,180 650 |
| Oct-04 | <5.0 | <5.0 | <5.0 | 9.3 | - | 28 | <5.0 | <5.0 | <5.0 | NA NA | <5.0 | <5.0 | NA NA | <5.0 | NA NA | 1,200 | <5.0 | 120 | <5.0 | 380 |
| Apr-04 | <1.0 | <1.0 | <1.0 | 7 | 1020 | <1.0 | <1.0 | <1.0 | <1.0 | NA | <1.0 | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Jan-04 | <10 | <10 | <10 | <10 | - | <10 | <10 | <10 | <10 | NA | <10 | <10 | NA | <10 | NA | <10 | <10 | <10 | <10 | <20 |
| Oct-03 | 14 | 75 | 34 | 9.6 | - | 560 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 340 | <5.0 | 32 | <5.0 | 113 |
| Oct-03 Dup Jul-03 | 20 870 | 110 15,000 | 53 3,800 | 12 210 | - | 550 24,000 | <5.0 <1.0 | <5.0 120 | <5.0 <1.0 | NA NA | <5.0 <2.0 | <5.0 <2.0 | NA NA | <5.0 <1.0 | NA NA | 300 97 | <5.0 NA | 39 460 | <5.0 5.9 | 1,020 |
| Jul-03 Dup | 880 | 32,000 | 4,000 | 200 | _ | 27,000 | <1.0 | 120 | <1.0 | NA | <2.0 | <2.0 | NA NA | <1.0 | NA | 98 | NA | 490 | 7.2 | 1,020 |
| Apr-03 | <1.0 | 11 | 570 | 12 | _ | 4,500 | <1.0 | 1.2 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | 130 | NA | 35 | 1.9 | 63 |
| Apr-03 Dup | <1.0 | 7.6 | 790 | 12 | 10-0 | 5,500 | 1.4 | 1.8 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | 110 | NA | 46 | 1.8 | 56 |
| Jan-03 | 21 | 670 | 9,400 | 34 | - | 5,700 | 7.2 | 27 | <1.0 | <1.0 | <2.0 | <2.0 | <1.0 | <1.0 | <1.0 | 60 | NA | NA | NA | NA |
| Jan-03 Dup Oct-02 | 32 120 | 1,200 17,000 | 9,600 20,000 | 28 38 | - | 5,600 21,000 | 2.9 <1.0 | 24 32 | 1.3 | <1.0 NA | <2.0 | <2.0 <2.0 | <1.0 NA | <1.0 <1.0 | <1.0 NA | 62 40 | NA 2.9 | NA 62 | NA 4.0 | NA 249 |
| Jul-02 | 62 | 2,600 | 6,400 | 30 | - | 2,400 | <1.0 | 19 | <1.0 | NA | <2.0 | <2.0 | NA NA | ND | NA | 13 | NA | <50 | <50 | <100 |
| Mar-02 | 170 | 3,800 | 8,000 | <50 | - | 540 | <50 | NA | <50 | NA | <50 | <50 | NA | ND | NA | <50 | NA | <50 | <50 | <100 |
| Jan-02 | 1,400 | 80,000 | 17,000 | 110 | - | 1,200 | <50 | <50 | <50 | NA | <50 | <50 | NA | ND | NA | 400 | NA | <50 | <50 | 1,170 |
| Nov-01 | 150 | 5,000 | 5,600 | 48 | - | 750 | <5.0 | 8.0 | <5.0 | NA | <5.0 | <5.0 | NA | ND | NA | 11 | <5.0 | 42 | <5.0 | 169 |
| Oct-01 | 1,200 | 53,000 | 18,000 7,700 | <1,000 44 | | <2,000 710 | <1,000 | <1,000 | <1,000 | NA NA | <2,000 | <2,000 | NA NA | <1,000 ND | NA NA | <1,000 39 | NA NA | <1,000 36 | <1,000 | <2,000 100 |
| Aug-01 Jun-01 | 7.9 | 5,100 230 | 15,000 | 140 | - | 6,100 | 1.2 | 43 66 | <1.0 3.3 | NA NA | <2.0 5.6 | <2.0 <2.0 | NA NA | ND | NA | 72 | NA | 63 | <1.0 3.8 | 97 |
| Mar-01 | 19 | 310 | 14,000 | 110 | _ | 1,500 | 12 | 2.0 | 35 | NA | <2.0 | <2.0 | NA | ND | NA | 20 | NA | 13 | <1.0 | 179 |
| Oct-00 | <400 | 8,400 | 680 | <400 | - | <400 | <400 | <400 | <400 | <400 | ND | ND | <400 | ND | <400 | <400 | NA | NA | NA | NA |
| Oct-99 | 470 | 13,000 | 650 | <250 | | <250 | <250 | <250 | <250 | ND | ND | ND | <250 | ND | <250 | <250 | NA | NA | NA | NA |
| Apr-99 | <1,000 | 11,000 | <1,000 | <1,000 | 1 - | <1,000 | <1,000 | <1,000 | <1,000 | ND | ND | ND | <1,000 | ND | <1,000 | <1,000 | NA | NA | NA | NA |
| Oct-98 Apr-98 | <500 520 | 17,000 20,000 | 740 810 | <500 <100 | == | <500 <100 | <500 <100 | <500 <100 | <500 <100 | ND ND | ND ND | ND ND | <500 <400 | ND ND | <500 <100 | <500 <100 | NA NA | NA NA | NA NA | NA NA |
| Oct-97 | <500 | 16,000 | <500 | <500 | | <500 | <500 | <500 | <500 | ND | ND | ND | <500 | ND | <1000 | <500 | NA NA | NA NA | NA | NA NA |
| Apr-97 | 120 | 6,700 | 450 | <31 | 17-4 | <31 | <31 | <31 | <31 | ND | ND | ND | <31 | ND | <31 | ND | NA | NA | NA | NA |
| Oct-96 | 140 | 9,800 | 1,100 | <50 | - | <50 | <50 | <50 | <50 | ND | ND | ND | <50 | ND | <50 | ND | NA | NA | NA | NA |
| Apr-96 | 440 | 23,000 | - 1 | - | 1,106 | 100 | <5.0 | 6.7 | <5.0 | ND | ND | ND | <5.0 | ND | 370 | ND | NA | NA | NA NA | NA |
| Oct-95 Apr-95 | 670 <200 | 46,000 13,000 | _ | - | 1,100 690 | <500 <400 | <250 <200 | <250 200 | <250 200 | ND ND | ND ND | ND ND | <250 <200 | ND ND | 380 <200 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-94 | 260 | 12,000 | _ | - | 370 | <250 | <250 | <250 | <250 | ND | ND | ND | <250 | ND | <250 | ND | NA | NA | NA | NA |
| Apr-94 | 810 | 63,000 | - | 4 | 370 | 49 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Feb-94 | 520 | 28,000 | - | - A | 150 | 1.0 | 1.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | 10 | ND | NA | NA | NA | NA |
| Oct-93 | 730 | 100,000 | - | - | 630 | <100 | <50 | <50 | <50 | ND | ND | ND | <50 | ND | <50 | ND | NA | NA | NA | NA |
| Aug-93 Apr-93 | 730 1,200 | 29,000 26,000 | - | _ | 470 1,103 | <100 3.5 | <50 1.9 | <50 2.2 | <50 <0.5 | ND ND | ND ND | ND ND | <100 NA | ND ND | <50 15 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jul-90 | 3.0 | 53 | _ | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA NA | NA NA | NA NA | NA NA |
| Apr-90 | <0.5 | 12 | - | | <0.5 | <0.5 | 1.2 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Jan-90 | <2.0 | 240 | - | - 4 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | <2.0 | ND | <2.0 | ND | NA | NA | NA | NA |
| Oct-89 | 3.3 | 60 | - | - | 2.8 | <0.5 | <0.5 | <0.5 | <0.5 | 4 | ND | 1-3-1 | <0.5 | ND | 3.3 | 10-2 | - | 1 1 |) A | 11-2 |
| May-89 | 51 | 970 | - | - | 120 | <10 | <10 | <10 | <10 | - | ND | 3.54 | <10 | ND | <10 | 2 | - | - | 0.00 | - |
| Feb-89 Dec-87 | 3.6 130 | 62 62 | - | - | 1.6 320 | <0.5 <50 | <0.5 <50 | <0.5 <50 | <0.5 <50 | - | ND ND | - | <0.5 <50 | ND ND | <0.5 <50 | _ | - | - | 7 4 | 2 |
| Oct-87 | 3,400 | 8,400 | _ | _ | 8,800 | <1,000 | <1,000 | <1,000 | <1,000 | - | ND | | <1,000 | ND | <1,000 | | = | - | 5 4 | = |
| Jan-87 | 2,700 | 230,000 | - | - | 12,000 | <500 | <500 | <500 | <500 | - | ND | | <500 | ND | 6,700 | 7- | - | - | - 4 | - 2 |
| | | | | 1 | 28,000 | 2,000 | <250 | <250 | <250 | - | ND | 121 | <250 | ND | 7,700 | 1 (2)(1 | | - | 5 4 | 1.4.1 |
| Jul-86 | 2700 | 75,000 | - | - | | | | | | | | | | | | _ | | | | |
| | 2700 4200 13000 | 24,000 32,000 | | - | 14,000 63,000 | 530 | <100 <250 | <100 <250 | <100 <250 | - | ND ND | - | <100 <250 | ND ND | 9,200 <250 | 172 | = | V-1 | 2.4 | - |

| Well Number/ Dates | PCE (µg/L) | TCE (µg/L) | cis- 1,2-DCE (µg/L) | trans- 1,2-DCE (µg/L) | Total 1,2-DCE (µg/L) | VC (µg/L) | 1,1,1- TCA (µg/L) | 1,1- DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | Freon 11 (µg/L) | Freon 12 (µg/L) | Freon 113 (µg/L) | BFM (µg/L) | 1,2- DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (μg/L) | TOL (µg/L) | XYL (µg/L) |
|-------------------------------|---------------|---------------|---------------------------|-----------------------------|----------------------------|--------------|-------------------------|-----------------------|-------------------|---------------|-----------------------|-----------------------|------------------------|---------------|-----------------------|---------------|---------------|---------------|---------------|---------------|
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-1B ZB1 | | | | | | | | | | | | | | | 9 | | | | | |
| Per Water Boar | rd approva | l, well 1B wa | as abandon | ed in Febru | ary 2004. | | | 9 | 0 | | | | 9 | | Q = -1 | | | | 2 - 12 | |
| 7 | | | J 0 | | | | | | | | | | | | | | | | | |
| Oct-02 Dup | <0.5 | <0.5 | 1.7 | 0.76 | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | < 0.5 | <0.5 | NA | NA | NA | NA |
| Oct-02 | <0.5 | <0.5 | 1.8 | 0.79 | - | <0.5 | <0.5 | < 0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | < 0.5 | <0.5 | NA | NA | NA | NA |
| Oct-01 | <0.5 | <0.5 | 1.4 | <0.5 | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <2.0 | <2.0 | <0.5 | <0.5 | NA | NA | NA | NA |
| Oct-00 | <1.0 | <1.0 | 1.5 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | <1.0 | ND | <1.0 | <1.0 | NA | NA | NA | NA |
| Oct-99 | <1.0 | <1.0 | 1.4 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-98 | <1.0 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-97 | <0.5 | <0.5 | 1.3 | <0.5 | - | < 0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | < 0.5 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-96 | <0.5 | < 0.5 | <0.5 | < 0.5 | - | < 0.5 | <0.5 | < 0.5 | <0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-95 | <1.0 | <1.0 | - | - | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-94 | < 0.5 | <0.5 | - 1 | - | < 0.5 | < 0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-93 | < 0.5 | < 0.5 | - | - | 0.7 | <1.0 | <0.5 | < 0.5 | <0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-92 | < 0.5 | < 0.5 | - | - | < 0.5 | <1.0 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | NA | ND | < 0.5 | ND | NA | NA | NA | NA |
| Apr-92 | < 0.5 | <0.5 | - | _ | < 0.5 | < 0.5 | <0.5 | < 0.5 | <0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jan-92 | < 0.5 | < 0.5 | - | I | <0.5 | < 0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-91 | < 0.5 | < 0.5 | - 1 | | <0.5 | < 0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jul-91 | < 0.5 | < 0.5 | - | - | < 0.5 | <0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Apr-91 | < 0.5 | < 0.5 | - 1 | - | < 0.5 | <0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jan-91 | < 0.5 | < 0.5 | - 1 | - | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-90 | < 0.5 | < 0.5 | - I | - | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jul-90 | < 0.5 | < 0.5 | - 1 | | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Apr-90 | < 0.5 | < 0.5 | - | - | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jan-90 | < 0.5 | < 0.5 | - 1 | - | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-89 | < 0.5 | 5 | - | - | 1.4 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | | ND | 1 4 | < 0.5 | ND | < 0.5 | - | | 4 | - | 4 |
| Aug-89 | < 0.5 | < 0.5 | - | - | 0.6 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 12 | ND | | <0.5 | ND | < 0.5 | 77-211 | | (A) | 1 A | - |
| May-89 | < 0.5 | < 0.5 | - | 144 T | <0.5 | < 0.5 | <0.5 | < 0.5 | < 0.5 | | ND | - | < 0.5 | ND | < 0.5 | | _ | _ | - | _ |
| Feb-89 | < 0.5 | < 0.5 | - 1 | - | 0.6 | < 0.5 | <0.5 | < 0.5 | < 0.5 | 4 | ND | 1240 | <0.5 | ND | < 0.5 |) = 11 | | - | 1 | 12 |
| Nov-88 | < 0.5 | < 0.5 | 1-1 | 144 | 1.4 | < 0.5 | <0.5 | < 0.5 | < 0.5 | 4 | ND | - | <0.5 | ND | <0.5 | - | - | - | 3 4 | - |
| Aug-88 | < 0.5 | < 0.5 | - 1 | 14 | 1.6 | <0.5 | <0.5 | < 0.5 | < 0.5 | 4 | ND | | <0.5 | ND | <0.5 | | - | 1-1 |) A | - |
| May-88 | < 0.5 | < 0.5 | - | 14 | 1.3 | < 0.5 | <0.5 | < 0.5 | < 0.5 | 42 | ND | - | < 0.5 | ND | < 0.5 | 120 | | - | 14 | |
| Jan-88 | < 0.5 | <0.5 | - | 14 | 0.7 | <0.5 | <0.5 | < 0.5 | < 0.5 | | ND | | <0.5 | ND | <0.5 | | - | - | 1. A. | - |
| Oct-87 | <0.5 | <0.5 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 12 | ND | - | <0.5 | ND | <0.5 | 2 | _ | - | 1 4 | _ |
| Jun-87 | < 0.5 | <0.5 | - | - | <0.5 | < 0.5 | <0.5 | < 0.5 | <0.5 | | ND | - | <0.5 | ND | <0.5 | 120 | - | -1 | 1 4 | - |
| Apr-87 | <0.5 | <0.5 | - | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 4 | ND | | <0.5 | ND | <0.5 | | | 10-0 | A | - |
| Jan-87 | <0.5 | <0.5 | - | 1-1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 4 | ND | 34 | <0.5 | ND | <0.5 | 120 | - | - | - | 1.2 |
| Sep-86 | <0.5 | <0.5 | _ | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | - | ND | | <0.5 | ND | <0.5 | 200 | - | - | 1 4 | - |
| Jul-86 | <0.5 | <0.5 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | _ | ND | - | <0.5 | ND | <0.5 | | _ | _ | 5 4 | _ |
| Apr-86 | <0.5 | 1 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | - | ND | - | <0.5 | ND | <0.5 | 2 | - | - | - | - |
| Jan-86 | <0.5 | <0.5 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | ND | | NA | ND | <0.5 | _ | - | | 5 3-4 | _ |
| Oct-85 | <0.5 | <0.5 | _ | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 141 | ND | - | <0.5 | ND | <0.5 | 120 | - | | 5 4 | - |
| Nov-84 | <0.5 | <0.5 | - | - | NA | NA | <0.5 | NA | NA | - | ND | - | NA | ND | NA | | - | 1 | 5 = | - |
| Aug-84 | ND | ND. | - | - | ND | ND | ND | ND | ND | - | ND | 1 | ND | ND | ND | 200 | | 1 | 12 | 3 |
| Mar-84 | NA | <.5 | - | - | NA | NA | NA | NA | NA | _ | ND | - | NA | ND | ND | - | | = | | _ |
| Aug-83 | <1.0 | <1.0 | - | | <1 | <1.0 | <1.0 | <1.0 | <1.0 | | ND | -2 | <1.0 | ND | <1.0 | = | _ | === | - | = |
| Aug-oo | <1.U | < 1.U | | - | <1 | <1.U | <1.0 | <1.0 | \$1.U | - | NU | - | \$1.U | ND | <1.U | | - | | _ | _ |

| Well Number/ | PCE (µg/L) | TCE (µg/L) | cis- 1,2-DCE (µg/L) | trans- 1,2-DCE (µg/L) | Total 1,2-DCE (µg/L) | VC (µg/L) | 1,1,1- TCA (µg/L) | 1,1- DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µq/L) | Freon 11 (µg/L) | Freon 12 (µg/L) | Freon 113 (µg/L) | BFM (µg/L) | 1,2- DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (µg/L) |
|-------------------------------|----------------|------------------|---------------------------|-----------------------------|----------------------------|------------------|-------------------------|-----------------------|-------------------|---------------|-----------------------|-----------------------|------------------------|---------------|-----------------------|------------|----------------|----------------|----------------|---------------|
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-2B ZB1 Oct-13 | <0.50 | <2.5 | 140 | 1.6 | | 150 | <0.50 | <0.50 | 1.0 | | <1.0 | <0.50 | <0.50 | <1.0 | 10 | 12 | NA | NA | NA | NA |
| May-13 | < 0.50 | 0.76 | 80 | 6.3 | | 77 | <0.50 | <0.50 | 0.76 | | <1.0 | <0.50 | < 0.50 | <1.0 | 6.7 | 11 | < 0.50 | <0.50 | <0.50 | <1.0 |
| Oct-12 | <0.50 | 0.65 | 83 | 2.5 | | 100 | <0.50 | <0.50 | 0.77 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | 5.7 | 14 | <0.50 | < 0.50 | < 0.50 | <1.0 |
| Apr-12 Oct-11 | <0.50 <0.50 | <0.50 0.72 | 38 79 | 1.0 2.1 | - | 34 140 | <0.50 | <0.50 | 0.53 0.72 | <0.50 | <1.0 | <0.50 <0.50 | <0.50 <0.50 | <1.0 <1.0 | 6.5 7.1 | 25 19 | <0.50 <0.50 | <0.50 <0.50 | <0.50 <0.50 | <1.0 1.5 |
| May-11 | <0.50 | 0.72 | 40 | <0.50 | _ | 82 | <0.50 | <0.50 | 0.69 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 7.5 | 22 | < 0.50 | <0.50 | <0.50 | <0.50 |
| Mar-11 | <0.50 | 0.52 | 9.4 | <0.50 | - | 46 | <0.50 | < 0.50 | 0.7 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 8.6 | 57 | < 0.50 | <0.50 | <0.50 | 3.2 |
| Nov-10 | <2.5 | 2.5 | 160 | <2.5 | - | 290 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 | <2.5 | <2.5 | <5.0 | 23 | 39 | - | - | - | - |
| Oct-10 Oct-09 | <2.5 <20 | <2.5 <20 | 200 6,600 | <2.5 29 | = | 260 3,600 | <2.5 | <2.5 | <2.5 <20 | <2.5 | <5.0 <40 | <2.5 <20 | <2.5 | <5.0 <40 | 6.4 | 17 230 | <2.5 | <2.5 <20 | <2.5 <20 | <5.0 <40 |
| Oct-08 | <2 | <2 | 88 | 6 | _ | 210 | <2 | <2 | <2 | <2 | <4 | <2 | <2 | <4 | 5.2 | 4.1 | <2 | <2 | <2 | <4 |
| Oct-07 | <5.0 | <5.0 | 11 | 7.8 | - | 270 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 23 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-07 | <5.0 | <5.0 | <5.0 | <5.0 | Dec | 92 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 31 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-06 Apr-06 | <5.0 <5.0 | <5.0 <5.0 | <5.0 5.9 | 8.2 11 | - | 47 24 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | NA NA | 49 49 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Jan-06 | <5.0 | <5.0 | <5.0 | 7.0 | _ | 22 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 67 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-05 | <5.0 | <5.0 | 6.2 | <5.0 | - | 48 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 73 | <5.0 | <5.0 | <5.0 | <15 |
| Jul-05 | <5.0 | 5.1 | <5.0 | <5.0 | - | 16 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 94 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-05 Jan-05 | <5.0 <5.0 | <5.0 <5.0 | 43 <5.0 | <5.0 <5.0 | - | 360 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | NA NA | 130 72 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Oct-04 | <5.0 | <5.0 | <5.0 | <5.0 | _ | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | 63 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-04 | <1.0 | <1.0 | 3.3 | <1.0 | - | 5.4 | <1.0 | <1.0 | <1.0 | NA | <1.0 | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Jan-04 | <5.0 | <5.0 | <5.0 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Oct-03 Jul-03 | <5.0 <1.0 | <5.0 2.6 | 5.2 2.8 | <5.0 <1.0 | _ | 9.1 5.0 | <5.0 <1.0 | <5.0 <1.0 | <5.0 <1.0 | NA NA | <5.0 <2.0 | <5.0 <2.0 | NA NA | <5.0 <1.0 | NA NA | 88 71 | <5.0 NA | <5.0 90 | <5.0 <1.0 | <10 4.1 |
| Apr-03 | <1.0 | 28 | 7.6 | <1.0 | _ | 41 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | 60 | NA | 7.8 | <1.0 | 2.1 |
| Jan-03 | <1.0 | 33 | 30 | <1.0 | - | 14 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | 66 | NA | NA | NA | NA |
| Oct-02 | <1.0 | 54 | 46 | <1.0 | - | 170 | <1.0 | 2.5 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | 66 | 2.0 | <1.0 | 1.8 | <2.0 |
| Jul-02 Apr-02 | <1.0 | <1.0 24 | 90 210 | <1.0 6.2 | - | 150 190 | <1.0 <1.0 | <1.0 <1.0 | <1.0 | NA NA | <2.0 | <2.0 <2.0 | NA NA | ND ND | NA NA | 67 5.9 | NA NA | <1.0 <1.0 | <1.0 <1.0 | <2.0 <2.0 |
| Jan-02 | <10 | 18 | 67 | <10 | _ | 210 | <10 | <10 | <10 | NA | <20 | <20 | NA | ND | NA | 78 | NA | <10 | 11 | <20 |
| Oct-01 | <50 | 940 | 250 | 180 | _ | 540 | <50 | <50 | <50 | NA | <100 | <100 | NA | <50 | NA | <50 | NA | 90 | <50 | <100 |
| Oct-01 Dup | <50 | 580 | 140 | <50 | - | 700 | <50 | <50 | <50 | NA | <100 | <100 | NA | 90 | NA | <50 | NA | 120 | <50 | <100 |
| Aug-01 Jun-01 | 2.5 <1.0 | 77 5.8 | 680 1,500 | 12 16 | = | 800 1,400 | <1.0 | 2.5 5.5 | <1.0 1.7 | NA NA | <2.0 | <2.0 | NA NA | ND ND | NA NA | 20 1.7 | NA NA | <1.0 <1.0 | <1.0 <1.0 | <2.0 |
| Apr-01 | 1.6 | 14 | 440 | 8.7 | - | 980 | <1.0 | 1.2 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | 2.6 | NA | <1.0 | <1.0 | <2.0 |
| Feb-01 | 23 | 31 | 880 | 12 | - | 1,300 | <1.0 | 3.5 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | 1.6 | NA | <1.0 | <1.0 | 8.5 |
| Dec-00 | <1.0 | 2.9 | 53 2,300 | 9.3 15 | - | 1,000 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA NA | 1.6 | NA | <1.0 | <1.0 | <2.0 <2.0 |
| Nov-00 Oct-00 | 110 | 520 | 2,300 | <50 | = | 300 340 | <50 | 9.5 <50 | 1.2 <50 | NA NA | <2.0 ND | <2.0 ND | NA NA | ND ND | NA | 2.0 | NA NA | <1.0 | <1.0 <1.0 | <2.0 |
| Oct-99 | 55 | 430 | 800 | <10 | _ | 35 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <10 | <10 | NA | NA | NA | NA |
| Oct-98 | 81 | 720 | 1,000 | <25 | - | 110 | <25 | <25 | <25 | ND | ND | ND | <25 | ND | <25 | <25 | NA | NA | NA | NA |
| Apr-98 Oct-97 | 100 220 | 670 820 | 1,700 3,000 | <20 <50 | - | 300 200 | <20 <50 | <20 <50 | <20 <50 | ND ND | ND ND | ND ND | <80 <50 | ND | <20 <100 | <20 | NA NA | NA NA | NA NA | NA NA |
| Oct-97 Dup | 220 | 810 | 2,800 | <50 | - | 170 | <50 | <50 | <50 | ND | ND | ND | <50 | ND ND | <100 | <50 ND | NA NA | NA | NA NA | NA |
| Apr-97 | 170 | 690 | 1,400 | 14 | - | 230 | <13 | <13 | <13 | ND | ND | ND | <13 | ND | 24 | ND | NA | NA | NA | NA |
| Oct-96 | 200 | 880 | 3,000 | 21 | - | 190 | <10 | 19 | <10 | ND | ND | ND | <10 | ND | 15 | ND | NA | NA | NA | NA |
| Apr-96 Oct-95 | 300 180 | 1,500 840 | - |) 1 4 | 1,313 | 230 130 | <2.5 <25 | 13 <25 | <2.5 <25 | ND ND | ND ND | ND ND | <2.5 <25 | ND ND | 4.9 <25 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Aug-95 | <40 | 770 | - | - | 2,500 | 540 | <40 | <40 | <40 | ND | ND | ND | <40 | ND | <40 | ND | NA | NA | NA | NA |
| Oct-94 | <25 | 590 | - | - | 150 | <25 | <25 | <25 | <25 | ND | ND | ND | <25 | ND | <25 | ND | NA | NA | NA | NA |
| Apr-94 | 330 | 1,500 | - | 1 | 3,134 | <5 | 7 | 32 | <5.0 | ND | ND | ND | 1.1 | ND | 35 | ND | NA | NA | NA | NA |
| Oct-93 Apr-93 | 300 530 | 2,600 3,700 | - | _ | 7,322 6,600 | 640 2,300 | <5.0 <50 | 23 <50 | <5.0 <50 | ND ND | ND ND | ND ND | <5.0 <50 | ND ND | 42 <50 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-92 | 1,900 | 7,400 | _ | | 7,533 | 1,400 | 4.8 | 40 | 6.8 | ND | ND | ND | NA | ND | <500 | ND | NA | NA | NA | NA |
| Aug-92 | 1,200 | 5,100 | - | - | 7,336 | 1,100 | 6.5 | 42 | 1.7 | ND | ND | ND | <1.0 | ND | 21 | ND | NA | NA | NA | NA |
| Apr-92 | 1,600 | 15,000 | - | - | 16,000 | <100 | <100 | <100 | <100 | ND | ND | ND | <100 | ND | <100 | ND | NA | NA | NA | NA |
| Apr-92 Oct-91 | 1,100 700 | 9,300 15,000 | - | - | 9,800 38,000 | 2,400 3,300 | <50 <100 | 53 <100 | <50 <100 | ND ND | ND ND | ND ND | <50 <100 | ND ND | 110 <100 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-91 | 500 | 10,000 | - | - | 14,000 | 1,600 | <100 | <100 | <100 | ND | ND | ND | <100 | ND | <100 | ND | NA | NA | NA | NA |
| Jul-91 | 1,000 | 17,000 | - | - | 55,120 | 3,500 | <50 | 150 | <50 | ND | ND | ND | <50 | ND | <50 | ND | NA | NA | NA | NA |
| Jul-91 Apr-91 | 240 4.3 | 6,100 2,300 | - | - | 7,200 32 | <100 1.0 | <50 0.8 | <50 <0.5 | <50 <0.5 | ND ND | ND ND | ND ND | <100 180 | ND ND | <50 <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-91 | <50 | 4,200 | _ | | <50 | <50 | <50 | <50.5 | <50 | ND | ND | ND | 240 | ND | <50.5 | ND | NA | NA | NA | NA |
| Jan-91 | <200 | 2,000 | _ | 1 | 49,000 | 6,500 | <200 | <200 | <200 | ND | ND | ND | <200 | ND | <200 | ND | NA | NA | NA | NA |
| Jan-91 | <500 | 5,200 | - | 1 | 22,000 | 7,000 | <500 | <500 | <500 | ND | ND | ND | <500 | ND | <500 | ND | NA | NA | NA | NA |
| Oct-90 Oct-90 | <500 <200 | 26,000 19,000 | _ | - | 53,000 52,000 | 14,000 7,800 | <500 <200 | <500 <200 | <500 <200 | ND ND | ND ND | ND ND | <500 <200 | ND ND | <500 <200 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jul-90 | <100 | 3,400 | - | - | 15,000 | 3,900 | <100 | <100 | <100 | ND | ND | ND | <100 | ND | <100 | ND | NA | NA | NA | NA |
| Jul-90 | <200 | 6,000 | _ | 1 | 21,000 | 12,000 | <200 | <200 | <200 | ND | ND | ND | <200 | ND | <200 | ND | NA | NA | NA | NA |
| Apr-90 | 130 | 13,000 | _ | - | 41,000 | 13,000 | <100 | <100 | <100 | ND | ND | ND | <100 | ND | <100 | ND | NA | NA | NA | NA |
| Apr-90 | 90 | 4,200 | - | - | 11,000 | 14,000 | <50 | <1000 | <50 | ND | ND | ND | <50 | ND | <50 | ND | NA NA | NA NA | NA NA | NA NA |
| Jan-90 Jan-90 | <1,000 <500 | 17,000 1,600 | _ | - | 110,000 40,000 | 30,000 24,000 | <1,000 <500 | <1000 <500 | <1000 <500 | ND ND | ND ND | ND ND | <1,000 <500 | ND ND | <1,000 <500 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-89 | <200 | 7,500 | _ | - | 34,000 | 44,000 | <200 | <200 | <200 | - | ND | - | <200 | ND | <200 | - | - | - INA | - INA | - |
| Aug-89 | <2,500 | <2500 | - | (±) | 48,000 | 26,000 | <2,500 | <2500 | <2500 | 3 | ND | (IBAI) | NA | ND | NA | 2 | - | - | 7 12 | 12 |
| Aug-89 | <500 | 4,000 | - | - | 40,000 | 45,000 | <500 | <500 | <500 | - | ND | | <500 | ND | <500 | 7.4 | - |) v=1.1 | 2 = | - |
| May-89 Feb-89 | <200 <500 | 1,400 7,200 | _ | - | 34,000 36,000 | 32,000 13,000 | <200 <500 | <200 <500 | <200 <500 | - | ND ND | 1 3 A C | <200 <500 | ND ND | <200 <500 | - | - | _ | 3 4 | |
| Nov-88 | 230 | 970 | _ | - | 8,700 | 3,300 | <100 | <100 | <100 | - | ND | 2 | <100 | ND | <100 | - | = | = | = | |
| Aug-88 | 180 | 970 | - | 1-L | 7,300 | 3,800 | <100 | <100 | <100 | 12 | ND | 1540 | <100 | ND | <100 | (VAX) | - | 75-21 | 7 4 | 12 |
| May-88 | 54 | 630 | | - | 5,800 | 1,000 | 12 | 120 | <5. | 14 | ND | 1.2 | <5.0 | ND | <5.0 | rent | - |) Y=1 [| | 1 -1 |
| Jan-88 | 170 | 1,400 | - | - | 12,000 | 4,200 | <50 | <50 | <50 | - | ND | - | <50 | ND | <50 | | | - | - | |

| 1 | | | cis- | trans- | Total | | 1,1,1- | 1,1- | | | Freon | Freon | Freon | | 1,2- | | | - | | |
|-------------------|----------------|-----------------|---------------|--------------|----------------|--------------|--------------|--------------|--------------|----------------------|--------------|--------------|-------------|--------------|--------------|----------------------|--------------|--------------|--------------|-------------|
| Well Number/ | PCE | TCE | 1,2-DCE | 1,2-DCE | 1,2-DCE | VC (ug/L) | TCA | DCE | 1,1-DCA | CDM | 11 | 12 | 113 | BFM (ug/L) | DCB | CBN | BEN | EBN | TOL | XYL |
| Dates Drinking | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) |
| Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-2B ZB1 (co | ontinued) | | | | | | A TOTAL | | | 3 = = 1 | TO V | | 7.1 | 17.15 | 1-110 | | | | 7 = 7 | |
| Oct-87 | 330 | 2,000 | 4 | - | 3,300 | 860 | 59 | <25 | <25 | 201 | ND | 1 4 | <25 | ND | 71 | | 1 | 1 | 9 | 1 |
| Jul-87 | 490 | 2,100 | - | - | 5,400 | 730 | <50 | <50 | <50 | - | ND | | 100 | ND | <50 | - | - | 1 | 7.4 | |
| Jan-87 | 800 | 9,100 | - |) A | 7,000 | 1,100 | <25 | <25 | <25 | - | ND | - | <25 | ND | 710 | (2) | 1 | - | - | - |
| Jul-86 | 1,200 | 3,800 | - | - | 2,800 | 1,400 | <10 | <10 | <10 | 100 | ND | | <10 | ND | 860 | 40 | - | 1 | - | - |
| Apr-86 | 580 | 4,000 | - | - | 3,600 | 180 | <50 | <50 | <50 | | ND | - | <50 | ND | <50 | - | - | - | 7 | - |
| Mar-86 | 1,300 | 5,500 | - | 1- | 3,300 | 750 | <25 <50 | <25 <50 | <25 <50 | - | ND | - | NA 940 | ND | <25 | - | 1 | - | - | |
| Oct-85 Nov-84 | 2,700 2,300 | 7,500 52,000 | | - | 7,700 7,200 | <50 NA | <130 | NA | NA | | ND ND | | 840 NA | ND ND | <50 NA | | | | | |
| Aug-84 | 1,500 | 11,000 | _ | - | 650 | ND | ND | ND | ND | - | ND | | ND | ND | ND | - | 1 | | 4 | - |
| Mar-84 | NA | 130,000 | - | _ | NA | NA | NA | NA | NA | - | ND | - | NA | ND | NA | - | - | | - 2 | - |
| Sep-83 | 2,000 | 73,000 | - | - | 2,000 | NA | ND | ND | ND | - | ND | - | ND | ND | NA | 1.200 | - | _ | 5.4 | |
| Sep-83 | 2,000 | 290,000 | _ | - | 2,000 | NA | ND | ND | ND | | ND | 1 2 | ND | ND | NA | 200 | - | - 1 | - | - 1 |
| Aug-83 | 2,800 | 1,100,000 | 1 | | 160 | <5.0 | <5.0 | <5.0 | <5.0 | 54.0 | ND | | <5.0 | ND | <5.0 | 3-20 | - | -210 | | |
| T-4B ZB1 | | | in the second | | | | | | | | | | | | 3 1700 | | | | | |
| Oct-13 | <5.0 | 9.2 | 830 | 1.4 J | | <5.0 | <5.0 | <5.0 | <5.0 | 14.73 | <10 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-12 | <5.0 | 8.4 | 600 | 17 | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Oct-11 | <5.0 | 5.6 | 570 | 5.1 | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Oct-10 | < 0.50 | 3.7 | 360 | 10 | - | < 0.50 | < 0.50 | 1.2 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | < 0.50 | <0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-09 | <0.50 | 2.5 | 370 | 2.2 | - | <0.50 | <0.50 | 1.1 | <0.50 | <0.50 | <1.0 | <0.50 | <0.50 | <1.0 | < 0.50 | <0.50 | 1.4 | <0.50 | <0.50 | <1.0 |
| Oct-08 | <5 | 5.3 | 500 | <5 | - | <5 | <5 | <5 | <5 | <5 NA | <10 | <5 | <5 | <10 | <5 NA | <5 | <5 | <5 | <5 | <10 |
| Oct-07 Jul-07 | <5.0 <5.0 | 7.9 5.7 | 550 430 | <5.0 <5.0 | - | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 | <5.0 <5.0 | NA NA | <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| May-07 | <5.0 | 7.3 | 230 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | NA NA | <5.0 <5.0 | <5.0 | NA NA | <5.0 <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-06 | <5.0 | <5.0 | 580 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-06 | <5.0 | 7.9 | 480 | 12 | _ | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-06 | <5.0 | 8.4 | 600 | <5.0 | _ | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-05 | <5.0 | 9.2 | 550 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jul-05 | <5.0 | 10 | 620 | <5.0 | _ | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-05 | <5.0 | 110 | 69 | <5.0 | 0201 | 12 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-05 | <5.0 | 9.0 | 810 | 20 | _ | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-04 | <5.0 | 6.6 | 350 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jul-04 | <5.0 | 8.5 | 460 | 5.8 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Apr-04 | <1.0 | 13 | 540 | 6.3 | - | <1.0 | <1.0 | <1.0 | 1.6 | NA | <2.0 | 6.3 | NA | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Jan-04 | <12 | 6.4 | 350 | <12 | - | <12 | <12 | <12 | <12 | NA | <12 | <12 | NA | <12 | NA | <12 | <12 | <12 | <12 | <24 |
| Oct-03 Jul-03 | <5.0 <1.0 | 9.8 | 340 <20 | <5.0 3.1 | - | 7.4 <2.0 | <5.0 <1.0 | <5.0 <1.0 | <5.0 <1.0 | NA NA | <5.0 <2.0 | <5.0 <2.0 | NA NA | <5.0 <1.0 | NA NA | <5.0 <1.0 | <5.0 NA | <5.0 <1.0 | <5.0 <1.0 | <10 <2.0 |
| Apr-03 | <1.0 | 11 | 350 | <1.0 | | <2.0 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Oct-02 | <5.0 | 5.8 | 220 | <5.0 | | 5.7 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <10 | <5.0 | <20 | <5.0 | <5.0 | NA | NA NA | NA | NA |
| Oct-01 | <5.0 | <5.0 | 66 | 12 | _ | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <20 | <20 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-00 | <2.0 | 10 | 100 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | <2.0 | ND | <2.0 | <2.0 | NA | NA | NA | NA |
| Oct-00 Dup | <2.0 | 9.0 | 100 | <2.0 | | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | <2.0 | ND | <2.0 | <2.0 | NA | NA | NA | NA |
| Oct-99 | <1.0 | 32 | 32 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | 1.6 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-98 | <1.0 | 43 | 40 | <1.0 | 1 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | 1.8 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-97 | <1.0 | 30 | 38 | <1.0 | 7-20 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | 2.0 | ND | <2.0 | ND | NA | NA | NA | NA |
| Oct-96 | <0.5 | 28 | 17 | <0.5 | - 22 | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | 1.7 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-95 Oct-94 | <1.0 <5.0 | 30 53 | - |) A | 22 23 | <2.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | 2.4 | ND | <1.0 | ND | NA | NA NA | NA NA | NA NA |
| Oct-94 Oct-93 | <0.5 | 100 | - | 947 | 8.5 | <5.0 <1.0 | <5.0 <0.5 | <5.0 <0.5 | <5.0 <0.5 | ND ND | ND ND | ND ND | <5.0 2.6 | ND ND | <5.0 <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-93 | <0.5 | 61 | | _ | 4.3 | <1.0 | <0.5 | <0.5 | <0.5 | ND | ND | ND | NA | ND | <0.5 | ND | NA NA | NA NA | NA NA | NA NA |
| Oct-91 | <0.5 | 75 | 12 | - | 13 | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | 3.6 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-90 | <0.5 | 75 | - | - | 14 | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | 1.8 | ND | <0.5 | ND | NA | NA | NA | NA |
| Aug-89 | <0.5 | 57 | - | - | 3 | <0.5 | <0.5 | <0.5 | <0.5 | - | ND | - | 1.8 | | <0.5 | - | - | _ | - | - |
| May-88 | <0.5 | 9 | - | - | 0.7 | <0.5 | <0.5 | <0.5 | <0.5 | 100 | ND | 134 | 0.5 | | < 0.5 | 200 | - | - | 170 | 1 - 1 |
| Jan-88 | <0.5 | 14 | - | - | 0.6 | <0.5 | <0.5 | <0.5 | < 0.5 | - | ND | | 0.6 | | <0.5 | (420) | - | - | 1 - | |
| Apr-86 | <0.5 | 1 | - | - | < 0.5 | <0.5 | <0.5 | <0.5 | < 0.5 | (D. 4. () | ND | | <0.5 | | <0.5 |) - Art. (| 1 | 1 |) + | - |
| Jan-86 | <0.5 | <0.5 | - | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | ND | 34 | <0.5 | | <0.5 | (200 | - | - |) = | - |
| Oct-85 | <0.5 | <0.5 | - | - | <0.5 | <0.5 | <0.5 | < 0.5 | <0.5 | 3 (2) | ND | 3 - 4 | < 0.5 | | <0.5 |) (2 /0) | Ī | 1 | 9 (4) | - |
| Nov-84 | <0.5 | 1.5 | - | - | <0.5 | NA | <0.5 | NA | NA | (T) | ND | 1 | NA | 1 27 1 | NA | - | 1 | 1 |) ÷ | - |
| Aug-84 | ND | ND | - | - | ND | ND | ND | ND | ND | - | ND | 1 | ND | | ND | 2 | - | 1 | | 2 |
| Mar-84 Aug-83 | NA <1.0 | 4 | - | - | NA 10 | NA | NA 11.0 | NA | NA 44.0 | - | ND | - | NA 11.0 | | NA | - | - | V-11 | - | - |
| | <10 | <1.0 | _ | - | 10 | ND | <1.0 | 3.6 | <1.0 | - | ND | - | <1.0 | | ND | - | | - | - | - |

| | | | | 4 | T-4-I | | 444 | 1.1. | | | F | F | [F | | 12 | | | | | |
|----------------------|-------------|----------------|-----------------|-------------------|------------------|-------------|---------------|-------------|-------------|------------|-------------|-------------|---------------|------------|-------------|----------------------|----------|----------|------------|----------|
| Well Number/ | PCE | TCE | cis- 1,2-DCE | trans- 1,2-DCE | Total 1,2-DCE | VC | 1,1,1- TCA | 1,1- DCE | 1,1-DCA | CDM | Freon 11 | Freon 12 | Freon 113 | BFM | 1,2- DCB | CBN | BEN | EBN | TOL | XYL |
| Dates | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) |
| Drinking | (pg/L) | (µg/L) | (µg/L) | (µg/L) | (pg/L) | (pg/L) | (pg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (pg/L) | (µg/L) | (pg/L) | (µg/L) | (pg/L) | (µg/L) |
| Water | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| Standard | 3 | 3 | ٠ | 10 | v | 0.5 | 200 | U | J | 100 | 150 | 145 | 1200 | 100 | 000 | 7.0 | | 500 | 150 | 11.50 |
| T-5B ZB1 | | | | | | | | | | | | | | | 0 - 1 | | | | | |
| Oct-13 | 4.5 J | 1500 | 51 | <10 | | <10 | <10 | <10 | <10 | | <20 | <10 | 150 | <20 | <10 | <10 | NA | NA | NA | NA |
| Oct-13 Dup | 4.8 J | 1400 | 73 | 1.8 J | | <5.0 | <5.0 | 2.3 J | <5.0 | | <10 | <5.0 | 190 | <10 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-12 | <10 | 1,600 | 70/71 | 132.2 | | <10 | <10 | <10 | <10 | <10 | <20 | <10 | 170/180 | <20 | <10 | <10 | <10 | <10 | <10 | <20 |
| Oct-11 Dup | <25 | 1,700 | 58 | <25 | | <25 | <25 | <25 | <25 | <25 | <25 | 200 | 200 | <25 | <25 | <25 | <25 | <25 | <25 | <50 |
| Oct-11 | <10 | 1,700 | 58 | <10 | _ | <10 | <10 | <10 | <10 | <10 | <10 | 200 | 200 | <10 | <10 | <10 | <10 | <10 | <10 | <20 |
| Oct-10 Dup | 3.5 | 1,200 | 49 | 1.2 | - | < 0.50 | < 0.50 | 1.2 | 0.59 | < 0.50 | <1.0 | < 0.50 | 96 | <1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-10 | 3.3 | 1,200 | 51 | 1.2 | | < 0.50 | < 0.50 | 1.2 | 0.57 | < 0.50 | <1.0 | < 0.50 | 89 | <1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-09 Dup | 1.3 | 390 | 12 | < 0.50 | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | 45 | <1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-09 | 1.5 | 380 | 14 | < 0.50 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | 50 | <1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-08 Dup | <20 | 2,200 | 39 | <20 | | <20 | <20 | <20 | <20 | <20 | <40 | <20 | 540 | <40 | <20 | <20 | <20 | <20 | <20 | <40 |
| Oct-08 | <20 | 2,300 | 39 | <20 | _ | <20 | <20 | <20 | <20 | <20 | <40 | <20 | 550 | <40 | <20 | <20 | <20 | <20 | <20 | <40 |
| Oct-07 | 6.2 | 2,300 | 46 | <2.0 | 1 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | <2.0 | 470 | <4.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 |
| Oct-07 Dup | 5.9 | 2,200 | 45 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | <2.0 | 380 | <4.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 |
| Oct-06 | <2.0 | 270 | 5.9 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | <2.0 | 18 | <4.0 | <2.0 | <2.0 | NA | NA | NA | NA |
| Oct-06 Dup | <2.0 | 270 | 6.1 | <2.0 | 1 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | <2.0 | 20 | <4.0 | <2.0 | <2.0 | NA | NA | NA | NA |
| Oct-05 | <5.0 | 420 | 12 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | 44 | <5.0 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-05 Dup | <5.0 | 410 | 12 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | 40 | <5.0 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-04 | <5.0 | 720 | 21 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <10 | 49 | <20 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-04 Dup | <5.0 | 760 | 21 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <10 | 63 | <20 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-03 | <10 | 720 | 18 | <10 | - | <10 | <10 | <10 | <10 | <10 | <20 | <20 | 31 | <40 | <10 | <10 | NA | NA | NA | NA |
| Oct-03 Dup | <10 | 1,200 | 29 | <10 | - | <10 | <10 | <10 | <10 | <10 | <20 | <20 | 60 | <40 | <10 | <10 | NA | NA | NA | NA |
| Oct-02 | 30 | 2,200 | 55 | <20 | - | <20 | <20 | <20 | <20 | <20 | <40 | <40 | 450 | <80 | <20 | <20 | NA | NA | NA | NA |
| Oct-02 Dup | <20 | 2,100 | 52 | <20 | - | <20 | <20 | <20 | <20 | <20 | <40 | <40 | 410 | <80 | <20 | <20 | NA | NA | NA | NA |
| Oct-01 Oct-01 Dup | <50 | 1,700 | 88 | <50 | - | <50 | <50 | <50 | <50 | <50 | <50 | <100 | <200 | <200 | <50 | <50 | NA | NA | NA | NA |
| | <50 <200 | 1,900 2,400 | 91 <200 | <50 <200 | - | <50 | <50 <200 | <50 | <50 | <50 | <50 | <100 ND | <200 260 | <200 ND | <50 | <50 | NA NA | NA NA | NA NA | NA NA |
| Oct-00 | <10 | 500 | 16 | <10 | - | <200 | <10 | <200 | <200 <10 | <200 ND | ND ND | ND | | ND | <200 | <200 ND | NA NA | NA NA | NA NA | |
| Oct-99 Oct-98 | <10 | 300 | <10 | <10 | - | <10 | <10 | <10 <10 | <10 | ND | ND | ND | 63 15 | ND | <10 | ND | NA | NA | NA | NA NA |
| Oct-97 | <10 | 360 | <10 | <10 | -2 | <10 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <20 | ND | NA | NA | NA | NA |
| Oct-96 | <1.3 | 390 | 8.2 | <1.3 | - | <1.3 | <1.3 | <1.3 | <1.3 | ND | ND | ND | 34 | ND | <1.3 | ND | NA | NA | NA | NA |
| Oct-95 | <1.0 | 110 | - | - | 1.6 | <2.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | 4.9 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-94 | <25 | 420 | - | - | <25 | <25 | <25 | <25 | <25 | ND | ND | ND | 41 | ND | <25 | ND | NA | NA | NA | NA |
| Oct-93 | <5.0 | 500 | _ | - | <5.0 | <10 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 54 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-92 | <1000 | 3,600 | - | _ | 33 | <1.0 | 2.2 | <0.5 | 10 | ND | ND | ND | NA | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-92 | <150 | 4,000 | - 1 | - | <150 | <150 | <150 | <150 | <150 | ND | ND | ND | 640 | ND | <150 | ND | NA | NA | NA | NA |
| Apr-92 | <100 | 11,000 | - | - | <100 | <100 | <100 | <100 | <100 | ND | ND | ND | 2,400 | ND | <100 | ND | NA | NA | NA | NA |
| Jan-92 | <100 | 16,000 | | T. | <100 | <100 | <100 | <100 | <100 | ND | ND | ND | 2,800 | ND | <100 | ND | NA | NA | NA | NA |
| Oct-91 | <100 | 12,000 | - | Ţ | <100 | <100 | <100 | <100 | <100 | ND | ND | ND | 1,900 | ND | <100 | ND | NA | NA | NA | NA |
| Jul-91 | <50 | 9,300 | J-01 | | 60 | <50 | <50 | <50 | <50 | ND | ND | ND | 2,200 | ND | <50 | ND | NA | NA | NA | NA |
| Apr-91 | <20 | 5,700 | - 1 | - | 30 | <20 | <20 | <20 | <20 | ND | ND | ND | 1,600 | ND | <20 | ND | NA | NA | NA | NA |
| Jan-91 | <20 | 2,500 | - | 1 | <20 | <20 | <20 | <20 | <20 | ND | ND | ND | 280 | ND | <20 | ND | NA | NA | NA | NA |
| Oct-90 | <50 | 6,300 | - | 1 | <50 | <50 | <50 | <50 | <50 | ND | ND | ND | 270 | ND | <50 | ND | NA | NA | NA | NA |
| Jul-90 | <20 | 4,100 | | | <20 | <20 | <20 | <20 | <20 | ND | ND | ND | 910 | ND | <20 | ND | NA | NA | NA | NA |
| Apr-90 | <20 | 3,000 | - | - | <20 | <20 | <20 | <20 | <20 | ND | ND | ND | 250 | ND | <20 | ND | NA | NA | NA | NA |
| Jan-90 | <20 | 5,500 | - | - | <20 | <20 | <20 | <20 | <20 | ND | ND | ND | 1,300 | ND | <20 | ND | NA | NA | NA | NA |
| Oct-89 | 33 | 6,700 | - | - | 39 | <2.0 | 2 | <2.0 | <2.0 | - | ND | 1 2 | 2,700 | ND | <2.0 | - | - | 1 | - | _ |
| Aug-89 | <50 | 10,000 | - | - | <50 | <50 | <50 | <50 | <50 | - | ND | 124 | 2,100 | ND | <50 | - | - | - | - | - |
| Aug-89 | <50 | 9,200 | - | - | <50 | <50 <2F0 | <50 | <50 | <50 | - | ND | | 2,300 | ND | <50 | - | - | 1 | - | - |
| Feb-89 | <250 | 8,000 | | - | <250 | <250 | <250 | <250 | <250 | 0.8.1 | ND | 2 | 2,000 | ND | <250 | - | - | | - | |
| Nov-88 Nov-88 | <5.0 <50 | 5,500 8,000 | | | 18 <50 | <5.0 <50 | <5.0 <50 | <5.0 <50 | <5.0 <50 | - | ND ND | 0.000 | <5.0 2,000 | ND ND | <5.0 <50 | 2 | - | - | 1 | - |
| Aug-88 | <100 | 14,000 | _ | - | <100 | <100 | <100 | <100 | <100 | _ | ND | | 2,700 | ND | <100 | | - | 1 | - | = |
| Jun-88 | <250 | 11,000 | - | - | <250 | <250 | <250 | <250 | <250 | = | ND | | 1,200 | ND | <250 | | | = | 8 2 | = = |
| Jun-88 | 18 | 7,400 | _ | | 13 | <0.5 | 7.8 | 2.5 | 1.4 | | ND | | 2,500 | ND | <0.5 | - | | - | 5 = | = = |
| Jan-88 | <250 | 17,000 | _ | - | <250 | <250 | <250 | <250 | <250 | _ | ND | - | 2,800 | ND | <250 | | | = | = | = |
| Oct-87 | <50 | 7,800 | _ | - | <50 | <50 | 120 | <50 | <50 | - | ND | | 1,800 | ND | <50 | - | | | 5 2 | 3 |
| Jun-87 | 140 | 5,500 | - | - | 25 | <25 | <25 | <25 | <25 | _ | ND | - | 1,800 | ND | <25 | - | | | - | 3 |
| Apr-87 | <25 | 15,000 | _ | - | <25 | <25 | <25 | 480 | <25 | _ | ND | 2 | 1,700 | ND | <25 | - | | | 5 = | |
| Jan-87 | 33 | 4,900 | - | - | <10 | <10 | <10 | <10 | <10 | - | ND | 12 | 3,100 | ND | <10 | - | - | - | - | |
| Sep-86 | <100 | 20,500 | - | · 1 | <100 | <100 | <100 | <100 | <100 | - | ND | 122 | 3,150 | ND | <100 | 1/2/ | - | - |) <u>-</u> | |
| Jul-86 | <50 | 6,700 | | - | <50 | <50 | <50 | <50 | <50 | 14 | ND | 1.52 | 3,300 | ND | <50 | - Ac. | | 1-1 | 0 = | 1.3 |
| Apr-86 | <25 | 8,200 | - 1 | - | <25 | <25 | <25 | <25 | <25 | 4 | ND | 1.2 | 6,900 | ND | <25 | 200 | | 10-11 | - | 1.2 |
| Jan-86 | <25 | 9,100 | 10-0 | - | <25 | <25 | <25 | <25 | <25 | - | ND | 152 | NA | ND | <25 | 200 | - | -1 |) = | 1.2 |
| Oct-85 | 73 | 19,000 | _ | - | <50 | <50 | <50 | <50 | <50 | - | ND | 1 40 | 6,300 | ND | <50 | | - | -1 | - | 12 |
| Nov-84 | 19 | 15,000 | 10- | - | <20 | NA | 17 | NA | NA | - | ND | 9.52 | NA | ND | NA | - | | 1-1 | 7 = | - |
| Aug-84 | ND | 17,000 | - 1 | - | ND | ND | ND | ND | ND | - | ND | 1 4 | 10,000 | ND | ND |) (2 () | 1 | -11 | | - |
| Mar-84 | NA | 16,000 | - | Ţ | NA | NA | NA | NA | NA | - | ND | 1.52 | NA | ND | NA | (420) | - | 1 | 1 | |
| | | | | | 4.4 | -1 D | 21 A | <1.0 | 24 D | | MID | | <1.0 | NID | <1.0 | | | | | |
| Aug-83 | <1.0 | 3,200 | | - | 14 | <1.0 | <1.0 | <1.0 | <1.0 | 1 | ND | | <1.0 | ND | VI.U | | _ | _ | - | _ |

| | | - | cis- | trans- | Total | | 1,1,1- | 1,1- | | | Freon | Freon | Freon | | 1,2- | | | - | | |
|----------------------|--------------|----------------|----------|---------------|------------|--------------|--------------|--------------|--------------|----------------|--------------|-------------|-------------|--------------|--------------|----------------------|----------------|----------------|----------------|--------------|
| Well Number/ | PCE | TCE | 1,2-DCE | 1,2-DCE | 1,2-DCE | VC | TCA | DCE | 1,1-DCA | CDM | 11 | 12 | 113 | BFM | DCB | CBN | BEN | EBN | TOL | XYL |
| Dates | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) |
| Drinking | - | - | | 40 | | 0.5 | 200 | | - | 400 | 450 | NIE | 4000 | 400 | con | 70 | | 200 | 450 | 4750 |
| Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-7B ZB1 | | | | | | | | | | | | | | | 5 - 1 | | | | | |
| Oct-13 | 0.86 | 150 | 10 | 0.77 | | 0.38 J | 0.58 | 0.73 | 0.55 | 9 = -1 | <1.0 | < 0.50 | 4.3 | <1.0 | 2.2 | < 0.50 | NA | NA | NA | NA |
| Oct-13 Dup | 0.85 | 150 | 11 | 0.76 | | 0.39 J | 0.59 | 0.70 | 0.56 | | <1.0 | < 0.50 | 4.3 | <1.0 | 2.1 | < 0.50 | NA | NA | NA | NA |
| Oct-12 | 0.55/0.70 | 160/170 | 15 | 0.75/0.79 | | <0.5 | 0.52/0.55 | 0.61/0.60 | 0.51/0.52 | <0.5 | <1.0 | <0.5 | 3.2/3.6 | <1.0 | 1.6/2.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 |
| Oct-11 Dup Oct-11 | 1.0 | 180 170 | 14 14 | 0.57 | - | 0.81 | 0.58 | 0.58 | <0.50 | <0.50 <0.50 | <0.50 | <0.50 | 4 | <1.0 | 2.6 | <0.50 <0.50 | <0.50 <0.50 | <0.50 <0.50 | <0.50 | <1.0 <1.0 |
| Oct-10 Dup | <1.0 | 140 | 13 | <1.0 | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 <2.0 | <1.0 | 2.9 | <2.0 | 2.0 | <1.0 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-10 | <1.0 | 130 | 12 | <1.0 | _ | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | 2.7 | <2.0 | 1.8 | <1.0 | <0.50 | <0.50 | <0.50 | <1.0 |
| Oct-09 Dup | 0.77 | 140 | 9.8 | < 0.50 | - | 0.60 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | 2.8 | <1.0 | 1.2 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-09 | 0.79 | 150 | 10 | < 0.50 | 10-401 | 0.63 | 0.52 | <0.50 | < 0.50 | <0.50 | <1.0 | < 0.50 | 3.1 | <1.0 | 1.2 | <0.50 | <0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-08 Dup | <2 | 150 | 7.6 | <2 | - | <2 | <2 | <2 | <2 | <2 | <4 | <2 | 4.8 | <4 | 2.3 | <2 | <2 | <2 | <2 | <4 |
| Oct-08 Oct-07 | <2 1.80 | 180 190 | 9.4 | <2 0.63 | - | <0.5 | 0.92 | <2 0.65 | 0.55 | <0.5 | <1.0 | <0.5 | 5.7 6.6 | <0.5 | 3.0 | <0.5 | <2 <0.5 | <0.5 | <0.5 | <1.0 |
| Oct-07 Dup | 1.70 | 200 | 16 | 0.62 | | <0.5 | 0.92 | 0.65 | 0.57 | <0.5 | <1.0 | <0.5 | 6.4 | <0.5 | 3.7 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 |
| Oct-06 | 0.71 | 80 | 10 | <0.5 | 0-0 | <0.5 | <0.5 | <0.5 | < 0.5 | <0.5 | < 0.5 | <1.0 | 1.9 | < 0.5 | <0.5 | < 0.5 | NA | NA | NA | NA |
| Oct-06 Dup | 0.58 | 88 | 10 | <0.5 | | <0.5 | <0.5 | <0.5 | < 0.5 | <0.5 | <0.5 | <1.0 | 1.8 | <0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA |
| Oct-05 | <1.0 | 95 | 13 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 1.9 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA |
| Oct-05 Dup Oct-04 | <1.0 <1.0 | 88 140 | 13 14 | <1.0 <1.0 | - | <1.0 <1.0 | <1.0 <1.0 | <1.0 <1.0 | <1.0 <1.0 | <1.0 <1.0 | <1.0 <2.0 | <2.0 | 1.7 | <1.0 <4.0 | <1.0 | <1.0 | NA NA | NA NA | NA NA | NA NA |
| Oct-04 Dup | <1.0 | 140 | 14 | <1.0 | == | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | 2.4 | <4.0 | <1.0 | <1.0 | NA | NA NA | NA NA | NA NA |
| Oct-03 | <5.0 | 190 | 28 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | <10 | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Oct-03 Dup | <5.0 | 190 | 29 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | <10 | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Apr-03 | <1.0 | 140 | 18 | <1.0 | - | <2.0 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | <2.0 | 2.9 | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Oct-02 Oct-02 Dup | <5.0 <2.0 | 170 160 | 24 24 | <5.0 <2.0 | - | <5.0 2 | <5.0 <2.0 | <5.0 <2.0 | <5.0 <2.0 | <5.0 <2.0 | <10 <4.0 | <10 <4.0 | 55 53 | <20 <8.0 | <5.0 <2.0 | <5.0 <2.0 | NA NA | NA NA | NA NA | NA NA |
| Jul-02 | <10 | 350 | 34 | <10 | | <10 | <10 | <10 | <10 | ND | <20 | <10 | 60 | ND | <10 | <10 | NA | NA | NA | NA |
| Apr-02 | <10 | 240 | 24 | <10 | _ | <10 | <10 | <10 | <10 | ND | <20 | <10 | 35 | ND | <10 | <10 | NA | NA | NA | NA |
| Jan-02 | <10 | 300 | 29 | <10 | -4 | <10 | <10 | <10 | <10 | ND | <20 | <10 | <10 | ND | <10 | <10 | NA | NA | NA | NA |
| Oct-01 | <5.0 | 210 | 25 | <5.0 | 1 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | 13 | <5.0 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-01 Dup | <5.0 | 200 | 25 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | 12 | <5.0 | <5.0 | <5.0 | NA | NA 11.0 | NA 11.0 | NA c2.0 |
| Aug-01 Jun-01 | 2.1 <1.0 | 340 68 | 46 61 | 1.3 <1.0 | - | <2.0 3.6 | 1.9 <1.0 | 2.4 1.6 | <1.0 <1.0 | ND ND | 8.6 51 | <2.0 24 | NA NA | ND ND | NA NA | <1.0 | NA NA | <1.0 <1.0 | <1.0 <1.0 | <2.0 |
| Apr-01 | 1.4 | 200 | 34 | <1.0 | _ | <2.0 | 1.8 | 1.2 | <1.0 | ND | 20 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Feb-01 | 1.2 | 230 | 29 | <1.0 | | <2.0 | 1.4 | <1.0 | <1.0 | ND | 11 | 14 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Dec-00 | <1.0 | 1.7 | <1.0 | <1.0 | - | <2.0 | <1.0 | <1.0 | <1.0 | ND | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Nov-00 | <1.0 | <1.0 | <1.0 | <1.0 | - | <2.0 | <1.0 | <1.0 | <1.0 | ND | <2.0 | <2.0 | NA 140 | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Oct-00 Sep-00 | <10 1.6 | 180 270 | 24 29 | <10 <1.0 | - | <10 | <10 2.5 | <10 1.2 | <10 <1.0 | <10 ND | ND <2.0 | ND <2.0 | <10 NA | ND ND | <10 NA | <1.0 | NA NA | NA <1.0 | NA <1.0 | <2.0 |
| Oct-99 | <1.0 | 4.7 | <1.0 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | <1.0 | NA | NA | NA NA | NA |
| Oct-98 | <1.0 | 15 | 1.3 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | 5.1 | ND | <1.0 | <1.0 | NA | NA | NA | NA |
| Oct-97 | <0.5 | 18 | 2.8 | <0.5 | - | <0.5 | <0.5 | <0.5 | < 0.5 | ND | ND | ND | 1.9 | ND | <1.0 | <0.5 | NA | NA | NA | NA |
| Oct-96 | <0.5 | 39 | 5.3 | <0.5 | - | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | 1.9 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-95 Oct-94 | <1.0 <5.0 | 42 100 | - | - | 6.1 17 | <2.0 <5.0 | <1.0 <5.0 | <1.0 <5.0 | <1.0 <5.0 | ND ND | ND ND | ND ND | 2.4 <5.0 | ND ND | <1.0 <5.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-93 | <5.0 | 590 | _ | _ | 59 | <10 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 11 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-92 | 1.7 | 630 | - | - | 41 | 3.1 | 5.7 | <0.5 | <0.5 | ND | ND | ND | NA | ND | <0.5 | ND | NA | NA | NA | NA |
| Apr-92 | <10 | 1,800 | - | | 140 | <10 | 40 | <10 | <10 | ND | ND | ND | <10 | ND | <10 | ND | NA | NA | NA | NA |
| Jan-92 | <10 | 1,800 | - | - | 390 | <10 | 29 | <10 | <10 | ND | ND | ND | <10 | ND | <10 | ND | NA | NA | NA | NA |
| Oct-91 Jul-91 | 7.0 6.0 | 960 980 | - | - | 270 300 | <5.0 <5.0 | 14 | <5.0 <5.0 | <5.0 <5.0 | ND ND | ND ND | ND ND | 18 35 | ND ND | <5.0 <5.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-91 | <2.0 | 460 | 12 | - 2 | 52 | <2.0 | 4.0 | <2.0 | <2.0 | ND | ND | ND | <2.0 | ND | <2.0 | ND | NA | NA | NA | NA |
| Jan-91 | <5.0 | 870 | - | - | 62 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 15 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-90 | <5.0 | 760 | - | 1 | 60 | <5.0 | 6.0 | <5.0 | <5.0 | ND | ND | ND | 22 | ND | <5.0 | ND | NA | NA | NA | NA |
| Jul-90 | <2.0 | 430 | - | - | 20 | <2.0 | 2.0 | <2.0 | <2.0 | ND | ND | ND | 17 | ND | <2.0 | ND | NA NA | NA | NA NA | NA NA |
| Apr-90 Jan-90 | <5.0 <5.0 | 680 960 | - | - | 37 75 | <5.0 <5.0 | <5.0 6.0 | <5.0 <5.0 | <5.0 <5.0 | ND ND | ND ND | ND ND | <5.0 21 | ND ND | <5.0 <5.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-89 | <10 | 1,400 | - | = | 110 | <10 | <10 | <10 | <10 | - | ND | - | 20 | ND | <10 | - | - | - | - | - |
| Aug-89 | 5 | 980 | - | - | 93 | 13 | 13 | <2.0 | <2.0 | 14 | ND | 154 | 40 | ND | <2.0 | 200 | - 1 | 1 | 170 | |
| May-89 | 6.0 | 1,400 | - | 1944 | 60 | <5.0 | <5.0 | <5.0 | <5.0 | - | ND | 2 | 25 | ND | <5.0 |) K Q K (| - | - |) - | - |
| Feb-89 | <25 | 1,600 | - | 14 | <25 | <25 | <25 | <25 | <25 | - | ND | - | 420 | ND | <25 | - | - 1 | - |) + | - |
| Nov-88 Aug-88 | <10 <25 | 1,300 1,800 | - | - | <10 <25 | <10 <25 | <10 <25 | <10 <25 | <10 <25 | - | ND ND | - | 50 69 | ND ND | <10 <25 | 2 | - 3 | |) = | - 3 |
| Jun-88 | <10 | 1,300 | 1 | - | 32 | <10 | <10 | <10 | <10 | - | ND | - | 56 | ND | <10 | _ | | | 5 = | |
| Jan-88 | <25 | 2,100 | ī | 1 | <25 | <25 | <25 | <25 | <25 | | ND | - | 280 | ND | <25 | - | - | 1 |) - | - |
| Oct-87 | <25 | 2,600 | - | 1944 | <25 | <25 | 31 | <25 | <25 | | ND | 124 | 54 | ND | <25 | | - | - |) A | 1-2-1 |
| Jun-87 | <25 | 3,200 | - | - | <25 | <25 | <25 | <25 | <25 | 9 = | ND | 3 - 20 | 87 | ND | <25 | 200 | - | - | - | - |
| Apr-87 Jan-87 | <25 24 | 3,800 3,100 | - | - | 31 25 | <25 <10 | <25 <10 | <25 <10 | <25 <10 | - | ND ND | 1 2 | <25 360 | ND ND | <25 <10 | - | 1 1 | - | 3 4 | |
| Sep-86 | <25 | 5,100 | - | - | <25 | <25 | <25 | <25 | <25 | - | ND | | 660 | ND | <25 | = | 1 | = | 5 = | = |
| Jul-86 | <25 | 5,300 | - | - | <25 | <25 | <25 | <25 | <25 | - | ND | 102 | 370 | ND | <25 | - | | - | 1 = | - |
| Apr-86 | <25 | 3,500 | - | - | <25 | <25 | <25 | <25 | <25 | 112 | ND | 122 | <25 | ND | <25 |) - 2 (1) | | 7-11 |) = | 1.2 |
| Jan-86 | <25 | 3,500 | - | 1 | <25 | <25 | <25 | <25 | <25 | 1 = | ND | - | NA | ND | <25 |) - E | 1 | - |) = | - |
| Oct-85 Nov-84 | 60 16 | 3,300 4,400 | - | 14 | 26 19 | <25 NA | 6.4 | <25 NA | <25 NA | 1 | ND ND | - | 420 NA | ND ND | <25 NA | - | 1 | - | | - |
| 1107-04 | | | | - | ND | ND ND | ND | NA ND | ND ND | - | ND | | 100 | ND | ND ND | - | | |) — | = |
| Aug-84 | ND | 3,000 | | - | | | | | | | | | | | | | | | | |

| Well Number/ Dates | PCE (µg/L) | TCE (µg/L) | cis- 1,2-DCE (µg/L) | trans- 1,2-DCE (µg/L) | Total 1,2-DCE (µg/L) | VC (µg/L) | 1,1,1- TCA (µg/L) | 1,1- DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | Freon 11 (µg/L) | Freon 12 (µg/L) | Freon 113 (µg/L) | BFM (µg/L) | 1,2- DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (μg/L) |
|-------------------------------|---------------|----------------|---------------------------|-----------------------------|----------------------------|--------------|-------------------------|-----------------------|-------------------|---------------|-----------------------|-----------------------|------------------------|---------------|-----------------------|----------------|---------------|----------------------|-------------------|---------------|
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-8B ZB1 | 0.77.0 | | 12 | A TILL | | | | 100 | 10.74 | 0 = 1 | 7.77 | L-T-S | 7.3 | 170 | 1000 | | 7,57 | TATE O | 1-70 | 1707 |
| Oct-13 | <2.5 | 36 | 450 | 8.8 | | 17 | <2.5 | 3.0 | <2.5 | | <5.0 | <2.5 | <2.5 | <5.0 | 10 | <2.5 | NA | NA | NA | NA |
| Oct-12 | <2.5 | 25 | 290 | 11 | | 10 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 | <2.5 | <2.5 | <5.0 | 7.6 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 |
| Oct-11 Oct-10 | 0.92 | 24 | 190 130 | 4.1 3.5 | - | 21 18 | <0.50 | 1.1 0.73 | 0.85 | <1.0 <0.50 | <1.0 | <0.50 | <0.50 <0.50 | <1.0 | 7.1 3.7 | <0.50 | <0.50 | <0.50 <0.50 | <0.50 | <1.0 <1.0 |
| Oct-09 | 0.59 | 29 | 39 | 6.6 | | 0.97 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | <0.50 | < 0.50 | <1.0 | 1.3 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 |
| Oct-08 | <2 | 36 | 150 | 3.0 | _ | 34 | <2 | <2 | <2 | <2 | <4 | <2 | <2 | <4 | 7.1 | <2 | <2 | <2 | <2 | <4 |
| Oct-07 | <5.0 | 7.5 | 220 | 5.9 | 10-4 | 35 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-07 | <5.0 | 25.0 | 180 | <5.0 | A | 65 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-07 | <5.0 | 20.0 | 260 | <5.0 | - | 120 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-06 | <5.0 | 6.3 | 220 | <5.0 | - | 47 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jul-06 Apr-06 | <5.0 <5.0 | 5.8 7.5 | 230 300 | <5.0 14 | | 64 120 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <15 |
| Jan-06 | <5.0 | 9.0 | 200 | 5.6 | _ | 170 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-05 | <5.0 | 7.7 | 190 | 6.3 | - | 160 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jul-05 | <5.0 | 38 | 150 | <5.0 | _ | 120 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-05 | <5.0 | 47 | 100 | <5.0 | 0401 | 310 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-04 | <2.0 | 33 | 72 | 3.0 | | 140 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | <4.0 | <2.0 | <8.0 | 6.8 | <2.0 | NA | NA | NA | NA |
| Jul-04 | <5.0 | 100 | 80 | <5.0 | 1 | 150 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Apr-04 | 1.7 | 53 | 58 | 3.8 | - | 99 | <1.0 | <1.0 | 1.5 | NA | <2.0 | <2.0 | NA | <1.0 | NA | <1.0 | NA «E O | <1.0 | <1.0 | <2.0 |
| Oct-03 Jul-03 | <5.0 1.1 | 98 60 | 79 60 | <5.0 3.6 | | 230 120 | <5.0 <1.0 | <5.0 <1.0 | <5.0 <1.0 | NA NA | <5.0 <2.0 | <5.0 <2.0 | NA NA | <5.0 <1.0 | NA NA | <5.0 <1.0 | <5.0 NA | <5.0 <1.0 | <5.0 <1.0 | <10 <2.0 |
| Apr-03 | <1.0 | 59 | 59 | 2.3 | -5- | 260 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA NA | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Jan-03 | 1.7 | 82 | 68 | 2.5 | - | 80 | 1.5 | 1.2 | 1.4 | NA | <2.0 | <2.0 | NA | <1.0 | NA | <1.0 | NA | NA | NA | NA |
| Oct-02 | 1.6 | 75 | 77 | <1.0 | - | 96 | 1.2 | 1.2 | 1.2 | NA | <2.0 | <2.0 | NA | <1.0 | NA | <1.0 | 1.1 | <1.0 | <1.0 | <2.0 |
| Jul-02 | <1.0 | 64 | 72 | <1.0 | 10-4 | 180 | <1.0 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Mar-02 | 2.1 | 81 | 78 | 3.1 | - | 92 | 1.2 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Jan-02 | 1.8 | 98 | 90 | 3.8 | - | 76 | 1.1 | 1.3 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | 1.6 | 6.7 | 7.2 |
| Oct-01 | 1.8 | 120 130 | 120 140 | 4.5 | - | <2.0 110 | 1.9 | 1.6 | 1.2 | NA NA | <2.0 | <2.0 <2.0 | NA NA | <2.0 ND | NA NA | <1.0 | NA NA | <1.0 <1.0 | <1.0 <1.0 | <2.0 |
| Aug-01 Jun-01 | 1.9 | 110 | 120 | 3.3 | _ | 100 | 2.5 | 1.4 | 1.3 | NA | <2.0 | <2.0 | NA NA | ND | NA | <1.0 | NA | <1.0 | 1.6 | <2.0 |
| Apr-01 | 1.6 | 68 | 99 | 2.7 | | 99 | 1.5 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Feb-01 | 1.6 | 65 | 150 | 2.4 | - | 100 | 1.3 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | 1.7 | <1.0 | 1.3 |
| Dec-00 | <1.0 | 41 | 14 | 1.7 | | 6.8 | 2 | <1.0 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Nov-00 | 3.6 | 140 | 240 | 3.5 | - | 32 | 3.8 | 2.2 | 1.3 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Oct-00 | <10 | 170 | 160 | <10 | - | 25 | <10 | <10 | <10 | NA | ND | ND | <10 | ND | NA | <10 | NA | <1.0 | <1.0 | <2.0 |
| Oct-99 Apr-99 | 6.5 <10 | 190 170 | 160 160 | <5.0 <10 | - | 19 15 | <5.0 <10 | <5.0 <10 | <5.0 <10 | ND ND | ND ND | ND ND | <5.0 <10 | ND ND | 5.8 <10 | <5.0 <10 | NA NA | NA NA | NA NA | NA NA |
| Oct-98 | <10 | 180 | 200 | <10 | _ | 19 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <10 | <10 | NA | NA | NA | NA |
| Apr-98 | <5.0 | 200 | 220 | <5.0 | - | 42 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <20 | ND | <5.0 | <30 | NA | NA | NA | NA |
| Oct-97 | <10 | 210 | 350 | <10 | _ | 35 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <20 | <10 | NA | NA | NA | NA |
| Apr-97 | 7.1 | 220 | 320 | 5.4 | 1754 F | 28 | 4.0 | 3.0 | 2.0 | ND | ND | ND | 4.2 | ND | 4.8 | ND | NA | NA | NA | NA |
| Oct-96 | 5.4 | 200 | 310 | 5.2 | - | 44 | 3.8 | 2.4 | 1.6 | ND | ND | ND | 3.2 | ND | 5.8 | ND | NA | NA | NA | NA |
| Apr-96 | 8.2 | 260 | - | - | 284.3 | <2.5 | 4.8 | 2.5 | <2.5 | ND | ND | ND | <2.5 | ND | <2.5 | ND | NA | NA | NA | NA |
| Oct-95 Apr-95 | 8.1 9.9 | 230 240 | _ | - | 354.7 284 | 37 41 | 5.5 4.9 | 3.1 <4.0 | <2.5 <4.0 | ND ND | ND ND | ND ND | 3.3 <4.0 | ND ND | 3.7 <4.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-94 | <25 | 270 | - | | 320 | <25 | <25 | <25 | <25 | ND | ND | ND | <25 | ND | <25 | ND | NA | NA | NA | NA |
| Apr-94 | 13 | 390 | - | - 4 | 420 | 220 | 9.0 | <5.0 | <5.0 | ND | ND | ND | 3.6 | ND | 10 | ND | NA | NA | NA | NA |
| Oct-93 | 10 | 320 | 100 | 1 | 350 | 140 | 5.0 | <5.0 | <5.0 | ND | ND | ND | 6.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Apr-93 | 10 | 370 | | 1 | 260 | 240 | 8.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-92 | 13 | 410 | - - 1 | - | 150 | 62 | 11 | 5.3 | 3.8 | ND | ND | ND | NA | ND | 17 | ND | NA | NA | NA | NA |
| Apr-92 | 14 | 620 | - | - | 430 | 110 | 38 | 8.0 | <5.0 | ND | ND | ND | <5.0 | ND | 10 | ND | NA | NA | NA | NA |
| Jan-92 Oct-91 | <50 20 | 6,000 440 | - | _ | <50 130 | <50 <2.0 | <50 26 | <50 6 | <50 <2.0 | ND ND | ND ND | ND ND | 160 <2.0 | ND ND | <50 <2.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jul-91 | 18 | 420 | _ | - 1 | 230 | <2.0 | 19 | 6.0 | 2.0 | ND | ND | ND | 5.0 | ND | 6.0 | ND | NA | NA | NA | NA |
| Apr-91 | 20 | 680 | - 1 | 100 | 90 | <10 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <10 | ND | NA | NA | NA | NA |
| Jan-91 | 26 | 660 | - | | 20 | <5.0 | 9.0 | 5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-90 | 17 | 600 | 1 | - | 590 | 350 | 10 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Jul-90 | 26 | 810 | - | - | 600 | 390 | 12 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Apr-90 | 40 54 | 1,600 | - | - | 1,400 340 | 1,700 | <10 <10 | <10 <10 | <10 <10 | ND - | ND ND | ND | <10 <10 | ND ND | <10 | ND | NA — | NA | NA | NA |
| May-89 Feb-89 | 54 | 1,700 2,500 | - | _ | 270 | 880 870 | <25 | <25 | <25 | - | ND ND | | <25 | ND | <25 | _ | - | - | - | - |
| Nov-88 | 25 | 360 | _ | - | 100 | 490 | 15 | <5.0 | <5.0 | - | ND | - | 15 | ND | <5.0 | 1 2 | | - | - | - |
| Aug-88 | 24 | 370 | - | - | 340 | 1,800 | 28 | <10 | <10 | - | ND | 132 | 36 | ND | <10 | 5. A. | - | - |) A | - |
| May-88 | 40 | 750 | - | 1 | 610 | 770 | 24 | 5.2 | <5.0 | | ND | 1.20 | 24 | ND | 41 | 200 | - |) k á til |) (-) | 1.0 |
| Jan-88 | 79 | 1,000 | - | 14 | 610 | 690 | 100 | <10 | <10 | - | ND | 9.520 | 59 | ND | 41 | 17/2/ | | 1-1 |) ÷ | - |
| Oct-87 | 63 | 610 | - | - | 610 | 460 | 33 | 4.9 | <5.0 | - | ND | | 55 | ND | 36 | _ | - | - |) + | - |
| Jul-87 | 85 | 720 | - | 14 | 990 | 260 | 12 | <10 | <10 | - | ND | 200 | <10 | ND | 17 | - | - | - | 2 | - |
| Jan-87 Jul-86 | 170 170 | 570 <5.0 | _ | - | 560 600 | 170 <5.0 | 19 25 | 4.8 <5.0 | <2.5 <5.0 | - | ND ND | - | <2.5 <5.0 | ND ND | 90 <5.0 | - | - 1 | - | 8 2 | |
| Apr-86 | 240 | 650 | _ | _ | 1,300 | 360 | <5.0 | <5.0 | <5.0 | = | ND | | <5.0 | ND | <5.0 | 12 | = | | 5 = | = |
| Mar-86 | 1,100 | 4,300 | - | - | 3,200 | <25 | <25 | <25 | <25 | - | ND | 1020 | NA | ND | <25 | - | | - | - | - |
| Mar-86 | 750 | 2,800 | - | - | 1,700 | <10 | <10 | <10 | <10 | = | ND | 1327 | NA | ND | <10 | 2-2-1 | | 17-41 |) ÷ | 1.2 |
| Mar-86 | 810 | 2,200 | - | - | 1,400 | <10 | <10 | <10 | <10 | - | ND | 9.54 | NA | ND | <10 | - | - | 7-11 | 7 40 | - |
| Oct-85 | 370 | 1,600 | - | 1 | 880 | <25 | 63 | <25 | <25 | - | ND | 0.240 | 200 | ND | <25 | | - |) / - 1.1 | 9 0 | |
| Oct-85 | 330 | 1,600 | - | - | 890 | <25 | 62 | <25 | <25 | - | ND | 1.020 | 250 | ND | <25 |) - | | - | - | - |
| Nov-84 Aug-84 | 360 260 | 2,600 2,300 | - 1 | - | 410 580 | NA ND | 6 ND | NA | NA ND | - | ND ND | 1 2 | NA ND | ND ND | NA | - | - |) - 1.1 | - | - |
| | Z0U | 2,300 | - | - | 200 | ND | ND | ND | ND | - | ND | | ND | ND | ND | - | _ | , | - | |

| talvan Zi | v608 | .0.1 | cis- | trans- | Total | Vac | 1,1,1- | 1,1- | S. Parket | W. W. | Freon | Freon | Freon | 704 | 1,2- | 18.65 | 100 | 1 | 1.641 | 1.2 |
|-----------------------|---------------|------------------|-------------------|-------------------|-------------------|---------------|---------------|---------------|-------------------|---------------|--------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|-----------------|---------------|
| Well Number/ Dates | PCE (µg/L) | TCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (μg/L) | VC (µg/L) | TCA (µg/L) | DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | 11 (µg/L) | 12 (µg/L) | 113 (µg/L) | BFM (µg/L) | DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (µg/L) |
| Drinking | 5 | 5 | | | | | | - | 111 | 100 | | | | | 1. | 70 | | | | |
| Water Standard | 9 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-9B ZB1 | 17.0 | | | 77. | | | 77.5 | 1. | 100 | J 1 | 1 | Contract in | Control of | | 216 | 7-55 | | 7 57 -5 | -7. | |
| Oct-13 Oct-12 | 2.2 J <5.0 | 410 130 | 280 360 | 5.0 5.1 | | 3.6 J <5.0 | <5.0 <5.0 | 3.3 J <5.0 | <5.0 <5.0 | <5.0 | <10 <10 | <5.0 <5.0 | 1.5 J <10 | <10 | <5.0 <5.0 | <5.0 <5.0 | NA <5.0 | NA <5.0 | NA <5.0 | NA <10 |
| Oct-11 | <5.0 | 110 | 350 | <5.0 | - | 5.1 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Oct-10 | 0.87 | 96 | 250 | 3.4 | 10-401 | 12 | < 0.50 | 1.7 | 0.76 | <0.50 | <1.0 | < 0.50 | 1.0 | <1.0 | 1.1 | < 0.50 | < 0.5 | < 0.5 | < 0.5 | <1.0 |
| Oct-09 | <10 | 31 | 290 | <10 | - | 69 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <20 |
| Oct-08 Oct-07 | <5 4.4 | 280 470 | 110 190 | <5 3.2 | | <5 9.8 | <5 <0.5 | <5 2.2 | <5 0.83 | <5 <0.5 | <10 <1.0 | <5 <0.5 | 7.9 8.4 | <1.0 | <5 1.6 | <5 <0.5 | <5 <0.5 | <5 <0.5 | <5 <0.5 | <10 <1.0 |
| Oct-06 | <0.5 | 4.6 | 31 | 1.4 | - | 30 | <0.5 | <0.5 | 0.51 | <0.5 | <0.5 | <1.0 | <0.5 | <0.5 | 0.61 | <0.5 | NA | NA | NA | NA |
| Oct-05 | <5.0 | 16 | 630 | 5.9 | - | 150 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-04 Oct-03 | <5.0 <5.0 | 470 390 | 300 560 | 5.1 7.8 | | 33 38 | <5.0 <5.0 | <5.0 6.4 | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | NA NA | <5.0 <5.0 | NA NA | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <15 <10 |
| Apr-03 | 2.0 | 550 | 240 | 3.6 | | 19 | 1.7 | 4.3 | <1.0 | NA | <2.0 | <2.0 | NA | <1.0 | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Oct-02 | 3.4 | 460 | 180 | 3.7 | | 8.7 | <2.5 | 2.8 | <2.5 | <2.5 | <5.0 | <5.0 | 5.3 | <10 | <2.5 | <2.5 | NA | NA | NA | NA |
| Jul-02 | <5.0 | 460 | 190 | <5.0 | L | <5.0 | <5.0 | <5.0 | <5.0 | ND | <10 | <5.0 | <5.0 | ND | <5.0 | <5.0 | NA | NA | NA | NA |
| Apr-02 Jan-02 | <5.0 <10 | 510 680 | 210 270 | <5.0 <10 | - | 5.3 <10 | <5.0 <10 | <5.0 <10 | <5.0 <10 | ND ND | <10 <20 | <5.0 <10 | <5.0 <10 | ND ND | <5.0 <10 | <5.0 <10 | NA NA | NA NA | NA NA | NA NA |
| Oct-01 | <10 | 780 | 150 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <20 | <40 | <40 | <10 | <10 | NA | NA | NA | NA |
| Aug-01 | <10 | 460 | 160 | <10 | - | <10 | <10 | <10 | <10 | NA | <10 | <10 | NA | ND | NA | <10 | <10 | <10 | <10 | <10 |
| Oct-00 | <70 | 1,000 | 200 | <70 | - | <70 | <70 | <70 | <70 | <70 | ND | ND | <70 | ND | <70 | <70 | NA | NA | NA | NA |
| Oct-99 Apr-99 | <25 <100 | 1,000 1,200 | 170 170 | <25 <100 | - | 46 <100 | <25 <100 | <25 <100 | <25 <100 | ND ND | ND ND | ND ND | <25 <100 | ND ND | <25 <100 | <25 <100 | NA NA | NA NA | NA NA | NA NA |
| Apr-99 Dup | <100 | 1,100 | 160 | <100 | - | <100 | <100 | <100 | <100 | ND | ND | ND | <100 | ND | <100 | ND | NA | NA | NA | NA |
| Oct-98 | <25 | 1,000 | 130 | <25 | - | 37 | <25 | <25 | <25 | ND | ND | ND | <25 | ND | <25 | <25 | NA | NA | NA | NA |
| Apr-98 Apr-98 Dup | <100 <100 | 2,200 2,000 | 130 <100 | <100 <100 | - | <100 <100 | <100 <100 | <100 <100 | <100 <100 | ND ND | ND ND | ND ND | <400 <400 | ND ND | <100 <100 | <600 ND | NA NA | NA NA | NA NA | NA NA |
| Oct-97 | <50 | 1,600 | 150 | <50 | | <50 | <50 | <50 | <50 | ND | ND | ND | <50 | ND | <100 | <50 | NA | NA | NA | NA |
| Apr-97 | 15 | 1,300 | 130 | <6.3 | 4 | 33 | <6.3 | <6.3 | <6.3 | ND | ND | ND | 26 | ND | 8.1 | ND | NA | NA | NA | NA |
| Oct-96 | 12 | 1,200 | 110 | <5.0 | - | 25 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 13 | ND | <5.0 | ND | NA | NA | NA | NA |
| Apr-96 Oct-95 | 19 11 | 1,000 1,100 | - | - | 120 190 | 15 22 | <2.5 <10 | <2.5 | <2.5 <10 | ND ND | ND ND | ND ND | 9.3 | ND ND | 6.1 <10 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-95 | <20 | 1,300 | - | | 110 | <40 | <20 | <20 | <20 | ND | ND | ND | <20 | ND | <20 | ND | NA | NA | NA | NA |
| Oct-94 | <25 | 1,200 | - | - | 120 | <25 | <25 | <25 | <25 | ND | ND | ND | <25 | ND | <25 | ND | NA | NA | NA | NA |
| Apr-94 | 22 | 1,300 | - | - | 110 | 55 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 28 | ND | 5.0 | ND | NA | NA | NA | NA |
| Oct-93 Apr-93 | 14 <50 | 1,900 3,200 | - | 1-1-1-1 | 99 75 | 35 <100 | <5.0 <50 | <5.0 <50 | <5.0 <50 | ND ND | ND ND | ND ND | 51 69 | ND ND | <5.0 <50 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-92 | 36 | 5,100 | - | - | <500 | 19 | 3.9 | <0.5 | 3.4 | ND | ND | ND | NA | ND | 6.1 | ND | NA | NA | NA | NA |
| Apr-92 | <50 | 5,600 | - | - | <50 | <50 | <50 | <50 | <50 | ND | ND | ND | <50 | ND | <50 | ND | NA | NA | NA | NA |
| Jan-92 Oct-91 | <30 <20 | 4,100 3,200 | - | 1- | <30 340 | <30 <20 | <30 <20 | <30 <20 | <30 <20 | ND ND | ND ND | ND ND | <30 <20 | ND ND | <30 <20 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jul-91 | <20 | 3,100 | _ | - | 1,100 | <20 | <20 | <20 | <20 | ND | ND | ND | <20 | ND | <20 | ND | NA | NA | NA | NA |
| Apr-91 | <20 | 2,100 | - | 140 | 1,200 | <20 | <20 | <20 | <20 | ND | ND | ND | <20 | ND | <20 | ND | NA | NA | NA | NA |
| Jan-91 | 10 | 2,200 | - | - | 580 | 30 | <10 | 10 | <10 | ND | ND | ND | 20 | ND | <10 | ND | NA | NA | NA | NA |
| Oct-90 Jul-90 | <20 30 | 3,900 5,200 | - | 1-1 | 590 420 | <20 <20 | <20 <20 | <20 <20 | <20 <20 | ND ND | ND ND | ND ND | <20 <20 | ND ND | <20 <20 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jan-90 | 61 | 6,100 | _ | - | 120 | <50 | <50 | <50 | <50 | ND | ND | ND | <50 | ND | <50 | ND | NA | NA | NA | NA |
| Oct-89 | 38 | 3,800 | - | - | 160 | 20 | <10 | <10 | <10 | 1 4 0 | ND | L 2 | 50 | ND | <10 |) '4 1 | | 1 20 |) 4 | - |
| Aug-89 | 61 | 7,300 | - | - | <50 | <50 | <50 | <50 | <50 | - | ND | - | 200 | ND | <50 | - | - | - | - | - |
| Jun-89 Feb-89 | 39 <25 | 3,500 6,400 | = | _ | 130 45 | 73 <25 | <10 <25 | <10 <25 | <10 <25 | - | ND ND | 3 -20 | 150 200 | ND ND | <10 <25 | - | _ | - | - | _ |
| Nov-88 | 50 | 6,900 | 1.4.1 | - - - | <50 | <50 | 80 | <50 | <50 | - | ND | -2 | 310 | ND | <50 | - | - | - | - | - |
| Aug-88 | 36 | 5,200 | - | - | 85 | 18 | 13 | 4.7 | 1.5 | - | ND | 124 | 170 | ND | 8 | 2.0 | - | N-LI |) = | - |
| Aug-88 May-88 | <50 360 | 6,000 12,000 | _ | - | <50 710 | <50 120 | <50 180 | <50 <100 | <50 <100 | _ | ND ND | = | <50 1,700 | ND ND | <50 <100 | | | - | 1 0 | - |
| Jan-88 | 50 | 4,800 | _ | - | 70 | <10 | 10 | <100 | <100 | - | ND | = | 180 | ND | <100 | _ | - | | 3 = | - |
| Jan-88 | <100 | 12,000 | - | - | <100 | <100 | <100 | <100 | <100 | - | ND | 134 | <100 | ND | <100 | (40) | - | - | - | - |
| Nov-87 | <50 | 3,900 | - | 1 | 340 | 150 | <50 | <50 | <50 | 104 | ND | - | 290 | ND | NA | Yu. a y | - | -1 |) / | - |
| Oct-87 Jul-87 | <50 44 | 6,900 1,300 | - | - | 450 1300 | 150 220 | <50 30 | <50 <10 | <50 <10 | - | ND ND | - | 390 36 | ND ND | <50 54 | _ | - | - | 0 8 | 3 |
| Jan-87 | <50 | 17,000 | _ | _ | <50 | <50 | 160 | <50 | <50 | - | ND | - | 620 | ND | <50 | - | 1 | | 5 = | |
| Jul-86 | <50 | 7,900 | - | - | <50 | <50 | <50 | <50 | <50 | _ | ND | 12 | <50 | ND | <50 | 2 | - | N-LI |) ÷ | - |
| Apr-86 | 98 | 7,300 | - | - | <25 | <25 | <25 | <25 | <25 | - | ND | - | <25 | ND | <25 | 7 - | - | 1 -1 | 9 = | - |
| Mar-86 Mar-86 | 590 <100 | 14,000 16,000 | _ | - | <100 <100 | <100 <100 | <100 <100 | <100 <100 | <100 <100 | - | ND ND | - | NA NA | ND ND | <100 <100 | _ | 1 | - | 3 = | - |
| Mar-86 | <100 | 9,600 | _ | - | <100 | <100 | <100 | <100 | <100 | _ | ND | = | NA NA | ND | <100 | _ | _ | | 5 = | - |
| Oct-85 | 320 | 29,000 | - | - | <50 | <50 | <50 | <50 | <50 | (12) | ND | 104 | 1,200 | ND | <50 | - | - | 1-21 | 0 = | - |
| Nov-84 | 15 | 2,900 | - | - | 9 | NA | <25 | NA | NA | 1- | ND | - | NA | ND | NA | _ | - |) v=10 |) ~~/ L | - |
| Aug-84 | 330 | 7,900 | | - | ND | ND | ND | ND | ND | | ND | | 700 | ND | ND | | - | | - | |

| Well Number/ | PCE | TCE | cis- 1,2-DCE | trans- 1,2-DCE | Total 1,2-DCE | VC | 1,1,1- TCA | 1,1- DCE | 1,1-DCA | CDM | Freon 11 | Freon 12 | Freon 113 | BFM | 1,2- DCB | CBN | BEN | EBN | TOL | XYL |
|------------------|--------|--------|-----------------|-------------------|------------------|--------|---------------|--|--|--------|-------------|-------------|--------------|--------|-------------|--------|--|--|----------|----------|
| Dates | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) |
| Drinking | (19/ | (19-2) | (P3/ | \P3'-/ | (P9/ | (P3'-) | \P3'-/ | (19-1 | (F3/ | (19/ | (F3'-) | (F3'-) | \P3'-/ | (19/-/ | (19.2) | (P9-7) | (P3'-) | (P3'-/ | \P3'-/ | (Pg- |
| Water | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| Standard | | | | / | | | | | | - | | | | | V | - | | | - | |
| T-10B ZB1 | 100 | | 10 60 00 | | | | | 1 | | | | 1000 | 100 | | 2 | 100 | 100 | | | |
| Oct-13 | 0.59 | 17 | 50 | 0.21 J | | < 0.50 | < 0.50 | < 0.50 | 0.43 J | | <1.0 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | NA | NA | NA | NA |
| Oct-12 | 2.7 | 50 | 140 | 3.1 | | 21 | < 0.50 | 0.99 | 0.76 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | 5.4 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-11 | 3.2 | 48 | 110 | 3.0 | - | 24 | < 0.50 | 1.2 | 1 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | 5.2 | < 0.50 | < 0.5 | < 0.5 | < 0.5 | 1.2 |
| Oct-10 | 2.0 | 44 | 97 | 2.3 | - | 23 | < 0.50 | 0.57 | 0.77 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | 3.7 | < 0.50 | < 0.5 | < 0.5 | < 0.5 | <1 |
| Oct-09 | 0.94 | 20 | 49 | 1.4 | -0 | 9.8 | < 0.50 | < 0.50 | 0.55 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | 1.5 | < 0.50 | 1.5 | < 0.50 | < 0.50 | <1.0 |
| Oct-08 | 2.1 | 45 | 48 | 1.8 | - | 10 | < 0.5 | < 0.5 | 0.82 | < 0.5 | <1 | < 0.5 | < 0.5 | <1 | 3.2 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <1 |
| Oct-07 | 6.6 | 86 | 62 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jul-07 | 5.4 | 65 | 61 | <5.0 | - | <5.0 | <5.0 | <5.0 | < 5.0 | NA | < 5.0 | < 5.0 | NA | <5.0 | NA | <5.0 | < 5.0 | <5.0 | < 5.0 | <15 |
| May-07 | 7.2 | 80 | 87 | <5.0 | - | 8.9 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-07 | 12.0 | 130 | 140 | <5.0 | | 17.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-06 | 7.8 | 120 | 130 | <5.0 | | 6.2 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jul-06 | 8.1 | 150 | 170 | <5.0 | _ | 9.3 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-06 | 20 | 150 | 190 | 10.0 | | 17 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-06 | 10 | 170 | 190 | <5.0 | _ | 51 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-05 | 9.9 | 180 | 79 | <5.0 | - | 39 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-04 | 11 | 170 | 57 | 2.0 | - | 29 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | 1.1 | <4.0 | 10 | <1.0 | NA | NA | NA | NA |
| Oct-03 | 12 | 140 | 73 | 2.1 | | 43 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | <4.0 | <2.0 | <8.0 | 10 | <2.0 | NA NA | NA NA | NA NA | NA NA |
| Oct-03 | 8.9 | 130 | 56 | 2.1 | - | 11 | 1.2 | <1.0 | <1.0 | <1.0 | <2.0 | <2.0 | | <4.0 | 8.4 | <1.0 | NA NA | NA NA | NA NA | NA NA |
| Jul-02 | 10 | 170 | 97 | <2.5 | | 16 | <2.5 | <2.5 | <2.5 | ND | <2.0 | <5.0 | 1.4 <2.5 | ND | 6.9 | <2.5 | NA NA | NA NA | NA NA | NA NA |
| | 12 | 200 | 110 | <2.5 | | 15 | <2.5 | <2.5 | <2.5 | ND | <2.5 | <5.0 | <2.5 | ND | 10 | <2.5 | NA NA | NA NA | NA NA | NA NA |
| Apr-02 Jan-02 | 14 | 230 | 130 | <2.5 | B | 25 | <2.5 | <2.5 | <2.5 | ND | <2.5 | <5.0 | <2.5 | ND | 12 | <2.5 | NA NA | NA NA | NA NA | NA NA |
| Oct-01 | 8.2 | 160 | 75 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <20 | <20 | <5.0 | <5.0 | NA | NA | NA | NA |
| Aug-01 | 7.6 | 170 | 110 | <5.0 | - | 27 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | ND | NA | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Apr-01 | 9.6 | 160 | 100 | <2.5 | -2- | 20 | <2.5 | <2.5 | <2.5 | ND | <10 | <2.5 | <10 | ND | 9.6 | <2.5 | NA | NA | NA | NA |
| Jan-01 | 13 | 210 | 130 | 2.7 | | 12 | 2.9 | 1.2 | <1.0 | NA | <2.0 | <2.0 | NA | ND | NA | <1.0 | NA | <1.0 | <1.0 | <2.0 |
| Oct-00 | <20 | 170 | 110 | <15 | - | <15 | <15 | <15 | <15 | <15 | <15 | <20 | <20 | <15 | <15 | <15 | NA | NA | NA | NA |
| T-17B ZB1 | \20 | 170 | 110 | V13 | | V15 | V13 | ×15 | \15 | V13 | ×15 | \20 | \2U | ×15 | ×15 | V15 | INA | IVA | INA | INA |
| | ٠F.O | 420 | 390 | 4F.0 | | -E D | 4F.0 | -FO | -F.O | | -10 | -F.O | 4F.0 | -10 | ٠F.D | 4E 0 | ALA | ALA | NIA | NIA |
| Oct-13 | <5.0 | 130 | | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | | <10 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | NA | NA | NA | NA |
| May-13 | <5.0 | 120 | 370 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | -50 | <10 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Oct-12 | <5.0 | 310 | 230 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | 14 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Apr-12 | <5.0 | 110 | 510 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | 8.9 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Apr-12 Dup | <5.0 | 110 | 490 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | 9.9 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Oct-11 | <5.0 | 270 | 230 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | 8.1 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Oct-10 | <5.0 | 120 | 320 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <10 | <5.0 | <5.0 | <0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-09 | < 0.50 | 69.0 | 190 | 3.5 | - | < 0.50 | < 0.50 | 0.69 | < 0.50 | < 0.50 | <1.0 | < 0.50 | 2.1 | <1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-08 | <5 | 400.0 | 62 | <5 | - | <5 | <5 | <5 | <5 | <5 | <10 | <5 | 20 | <10 | <5 | <5 | <5 | <5 | <5 | <10 |
| Oct-07 | <5.0 | 610 | 79 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jul-07 | <5.0 | 450 | 87 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| May-07 | <5.0 | 430 | 140 | <5.0 | | 11 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-07 | 12 | 660 | 220 | <5.0 | -5-7-7 | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Oct-06 | <5.0 | 240 | 280 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jul-06 | <5.0 | 200 | 460 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Apr-06 | <5.0 | 340 | 420 | 6.8 | | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| Jan-06 | <5.0 | 400 | 280 | <5.0 | 1-3-10 | <5.0 | <5.0 | <5.0 | <5.0 | NA | <5.0 | <5.0 | NA | <5.0 | NA | <5.0 | <5.0 | <5.0 | <5.0 | <15 |
| T-18B ZB1 | | | | | | | | | | | | | | | | | | | | - 10 |
| Oct-13 | < 0.50 | <0.50 | < 0.50 | <0.50 | - | <0.50 | <0.50 | <0.50 | <0.50 | - | <1.0 | < 0.50 | < 0.50 | <1.0 | < 0.50 | <0.50 | NA | NA | NA | NA |
| May-13 | <0.50 | <0.50 | <0.50 | <0.50 | | <0.50 | <0.50 | <0.50 | <0.50 | | <1.0 | <0.50 | <0.50 | <1.0 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 |
| T-19B ZB1 | \U.JU | NO.30 | NO.00 | NU.UU | | NO.00 | ~U.JU | -U.JU | ~0.00 | | \1.U | ₹0.50 | ~U.JU | \1.U | -U.JU | NU.UU | NO.50 | ₹0.00 | ~0.00 | >1.0 |
| Oct-13 | <0.50 | 56 | 1.8 | <0.50 | | < 0.50 | <0.50 | <0.50 | <0.50 | | <1.0 | <0.50 | 1.4 | <1.0 | <0.50 | <0.50 | NA | NA | NA | NA |
| May-13 | < 0.50 | 53 | 1.0 | < 0.50 | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | <1.0 | < 0.50 | 1.4 | <1.0 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | <1.0 |
| May-15 | SU.5U | 55 | 1.9 | SU.50 | | SU.50 | SU.5U | <u.5u< td=""><td><u.5u< td=""><td></td><td><1.U</td><td>SU.50</td><td>1.2</td><td><1.U</td><td><0.50</td><td>SU.5U</td><td><u.5u< td=""><td><u.50< td=""><td><0.50</td><td><1.U</td></u.50<></td></u.5u<></td></u.5u<></td></u.5u<> | <u.5u< td=""><td></td><td><1.U</td><td>SU.50</td><td>1.2</td><td><1.U</td><td><0.50</td><td>SU.5U</td><td><u.5u< td=""><td><u.50< td=""><td><0.50</td><td><1.U</td></u.50<></td></u.5u<></td></u.5u<> | | <1.U | SU.50 | 1.2 | <1.U | <0.50 | SU.5U | <u.5u< td=""><td><u.50< td=""><td><0.50</td><td><1.U</td></u.50<></td></u.5u<> | <u.50< td=""><td><0.50</td><td><1.U</td></u.50<> | <0.50 | <1.U |

| Decision Decision Section Se | | | | | | 15,000 | | | | | | | | | | | | | | | |
|---|-----------|--------|--------|--------|--------|--------|--------|---------|--------|---------|--------|----------|--------|--------|--------|--------|----------|-------------|---|--------|-----------|
| Design Control Contr | MAZ-II No | DOE | TOF | | | | VC | | | 4 4 004 | CDM | F-001 LF | | | DEM | | CON | DEN | EDM | TOI | VA/I |
| Driving Wilson S | | | | | | | | | | | 1000 | 500 | | | | | | 0.00 V35-21 | 111111111111111111111111111111111111111 | | XYL |
| Wales September Septembe | 1,710,101 | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) |
| Standard | | - | - | | 40 | c | 0.5 | 200 | | - | 400 | 450 | NE | 4200 | 400 | coo | 70 | 9 | 200 | 450 | 4750 |
| | | 5 | 5 | ь | 10 | ь | 0.5 | 200 | ь | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| Oct 17 Cot 18 Cot 19 Cot 18 Cot 18 Cot | | | | | | | | | | | | | | | | | | | | | |
| Oct 12 | | - | 93 | | 1200 | | | 1500.00 | 1165 | | | 100 444 | 467.5 | | | | 44 .00 | 11000 | 12000 | 107242 | 1,000 |
| Oct | | | | | | | | | | | | | | | | | | | | | NA |
| Oct | | | | | | | | | | | | | | | | | | | | | <10 |
| Oct | | | | | | _ | | | | | | | | | | | | | | | <1.0 |
| October Column | Oct-10 | < 0.50 | 81 | | 0.60 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | 0.56 | <1.0 | < 0.50 | < 0.50 | < 0.50 | | < 0.50 | <1.0 |
| Cet | Oct-09 | 0.65 | 460 | | 2.0 | 1 | 33 | < 0.50 | 1.4 | < 0.50 | < 0.50 | <1.0 | < 0.50 | 9.2 | <1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct | Oct-08 | <1 | 130 | 33 | <1 | _ | 1.6 | <1 | <1 | <1 | <1 | <2 | <1 | 2.3 | <2 | <1 | <1 | <1 | <1 | <1 | <2 |
| Oct | Oct-07 | 2.3 | 1,200 | 43 | <2.0 | _ | 6.8 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | 36 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 |
| Oct | Oct-06 | <2.0 | 190 | 28 | <2.0 | _ | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | 2.8 | <2.0 | <2.0 | <2.0 | NA | NA | NA | NA |
| Oct | | | | | | _ | | | | | | | | | | | | | | | NA |
| Oct | | | | | | _ | | | | | | | | | | | | | | | NA |
| April | | | | | | | | | | | | | | | | | | | | | <10 |
| Oct | | | | | | | | | | | | | | | | | | | | | <2.0 |
| Juli 22 25 1,500 | | | | | | | | | | | | | | | | | | | | | NA |
| Agro | | | | | | | | | | | | | | | | | | | | | NA |
| Jan 12 | | | | | | | | | | | | | | | | | | | | | NA |
| Oct-01 | | | | | | | | | | | | | | | | | | | | | NA NA |
| Jun-01 \$25 1,300 \$630 \$25 - 110 \$25 \$20 | | | | | | | | | | | | | | | | | | | | | 19.9 |
| Marc 1 | | | | | | | | | | | | | | | | | | | | | |
| Jan | | | | | | | | | | | | | | | | | | | | | NA |
| Oct-00 C100 C2700 T10 C100 | | | | | | | | | | | | | | | | | | | | | NA 2.0 |
| Oct 99 | | | | | | | | | | | | | | | | | | | | | <2.0 |
| Design Dup C100 4,000 | | | | | | | | | | | | | | | | | | | | | NA |
| Apr-99 | | | | | | | | | | | | | | | | | | | | | NA |
| Oct 98 | | | | | | | | | | | | | | | | | | | | | NA |
| Apr-98 \$\sqrt{6}\$ \$\sqrt{3}\$ \$ | | | | | | | | | | | | | | | | | | | | | NA |
| Oct.97 <100 3,600 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 <100 | | | | | | | | | | | | | | | | | | | | | NA |
| Apr-97 | | | | | | _ | | | | | | | | | | | | | | | NA |
| Oct 96 | | | | | | _ | | | | | | | | | | | | | | | NA |
| Oct 95 | Apr-97 | <25 | 4,000 | | <25 | 1 | | <25 | <25 | <25 | ND | ND | ND | 420 | ND | <25 | ND | NA | NA | NA | NA |
| Aug-95 | Oct-96 | <17 | 4,000 | 21 | <17 | _ | 34 | <17 | <17 | <17 | ND | ND | ND | 260 | ND | <17 | ND | NA | NA | NA | NA |
| Oct 94 | Oct-95 | <25 | 3,100 | _ | _ | <25 | <50 | <25 | <25 | <25 | ND | ND | ND | 280 | ND | <25 | ND | NA | NA | NA | NA |
| Oct 94 <50 3,600 - | Aug-95 | <40 | 2,000 | _ | | <40 | <80 | <40 | <40 | <40 | ND | ND | ND | 51 | ND | <40 | ND | NA | NA | NA | NA |
| Cot 93 | Oct-94 | <50 | 3,600 | _ | _ | <50 | <50 | <50 | <50 | <50 | ND | ND | ND | 300 | ND | <50 | ND | NA | NA | NA | NA |
| Cot 93 | | < 5.0 | | _ | | 20 | <5.0 | < 5.0 | < 5.0 | <5.0 | | ND | ND | 200 | ND | < 5.0 | | | | NA | NA |
| Apr-93 | | < 5.0 | 3,000 | _ | _ | 10 | <10 | < 5.0 | <5.0 | <5.0 | ND | ND | ND | 180 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct 92 3.9 8,200 14 < 1.0 1 < 0.5 < 0.5 ND ND ND ND ND ND ND N | | <50 | | _ | 4- | <50 | <100 | | | <50 | | | | | ND | | | | | | NA |
| Apr-92 | | | | | | | | | | | | | | | | | | | | | NA |
| Jan-92 30 5,200 - - 30 30 30 30 ND ND ND ND 120 ND 30 ND NA NA NA NA NA Jul-91 20 3,900 - - 20 20 20 20 20 | | | | | | | | | | | | | | | | | | | | | NA |
| Oct-91 | | | | | | | | | | | | | | | | | | | | | NA |
| Jul-91 <20 3,990 - - <20 <20 <20 <20 <20 <20 <20 ND ND ND ND ND ND ND N | | | | | | | | | | | | | | | | | | | | | NA |
| Apr-91 | | | | | | | | | | | | | | | | | | | | | NA |
| Jan-91 | | | | | | | | | | | | | | | | | | | | | NA |
| Oct-90 | | | | | | | | | | | | | | | | | | | | | NA |
| Jul-90 | | | | | | | | | | | | | | | | | | | | | NA |
| Apr-90 | | | | | | | | | | | | | | | | | | | | | |
| Jan-90 <20 3,600 - - <20 <20 <20 <20 <20 <20 <20 NID NID NID 390 NID <20 NID NA NA NA NA Oct-89 <20 3,300 - - <20 <20 <20 <20 <20 <20 <20 - NID NID NID 180 NID <20 - - - - - - - - - | | | | | | | | | | | | | | | | | | | | | NA |
| Oct-89 <20 3,300 - - <20 <20 <20 <20 - ND ND 180 ND <20 -< | | | | | | | | | | | | | | | | | | | | | NA |
| Aug-89 <25 | | | | | | | | | | | | | | | | | 7411-142 | | | | NA |
| May-89 <25 | | | | _ | | | | | | | | | | | 15.5 | | | | | | - |
| May-89 <25 3,500 - - <25 <25 <25 <25 <25 - ND ND 230 ND <25 - <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></th<> | | | | | | | | | | | | | | | | | | | | | - |
| Feb-89 <25 | | | | | | | | | | | | | | | | | | | | | - |
| Nov-88 | | | | _ | | | <25 | <25 | <25 | <25 | | | ND | | ND | <25 | | _ | 51- | 132 | - |
| Aug-88 <25 | | | | _ | _ | | | | | | _ | | | 220 | ND | | _ | - | 61- | (3)- | - |
| Jui-88 <10 5,500 - | Nov-88 | | 3,000 | _ | _ | | | | | <50 | _ | ND | ND | 440 | ND | | _ | - | \$! | (3) | - |
| Jui-88 <10 5,500 - - <10 <10 <10 <10 - ND ND 330 ND <10 - - - - - | Aug-88 | <25 | | _ | _ | <25 | <25 | 36 | <25 | <25 | _ | ND | ND | 400 | ND | <25 | _ | - | - | 32- | - |
| Jan-88 <100 4,400 - | | | | _ | _ | <10 | | | | | | ND | ND | 330 | ND | <10 | _ | - | 54- | (3) | - |
| Oct-87 <25 | | | | _ | _ | | | | | | _ | | | | | | | - | 51- | 3 | - |
| Jul-87 <25 | | | | | | | | | | | | | | | | | | | | | - |
| Jan-87 <10 | | | | _ | | | | | | | | | | | | | | | | 92 | - |
| Jul-86 <10 2,000 - - <10 <10 <10 <10 - ND ND 650 ND <10 -< | 100000 | | | | | | | | | | | | | | | | | | | | - |
| Apr-86 <2.0 | | | | | | | | | | - | | | | | 0.0 | | | | | _ | - |
| Mar-86 49 4,200 - - <25 <25 <25 <25 <25 - ND ND NA ND <25 - - - - Mar-86 <25 | | | | | | | | | | | | | | | | | | _ | | | _ |
| Mar-86 <25 5,500 - - <25 <25 <25 <25 <25 - ND ND NA ND <25 - | | | | | | | | | | | | | | | | | | | | | _ |
| Oct-85 <25 | | | | | | | | | | | | | | | | | | | | | |
| Nov-84 8.4 4,400 13 NA <1.0 NA NA - ND ND NA ND NA Aug-84 7.2 760 3 NA <0.1 <0.1 NA - ND ND ND ND NA | | | | | | | | | | | | | 100 | | 11.5 | | | | | | - |
| Aug-84 7.2 760 3 NA <0.1 <0.1 NA - ND ND 39 ND NA | | | | | | | | | | | | | | | | | | | | | - |
| | | | | | | | | | | | | | | 100 | | 111111 | | | | | - |
| | | | | | | | | | | | | | | | | | | | | | - |
| Aug-84 10 2,300 - - 12 ND ND 6 ND - ND ND 1,000 ND ND - - - - | Aug-84 | 10 | 2,300 | _ | _ | 12 | ND | ND | 6 | ND | _ | ND | ND | 1,000 | ND | ND | _ | - | 9- | 9- | - |

| Well Number/ Dates | PCE (µg/L) | TCE (µg/L) | cis- 1,2-DCE (µg/L) | trans- 1,2-DCE (µg/L) | Total 1,2-DCE (µg/L) | VC (µg/L) | 1,1,1- TCA (μg/L) | 1,1- DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | Freon 11 (µg/L) | Freon 12 (µg/L) | Freon 113 (µg/L) | BFM (µg/L) | 1,2- DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (µg/L) |
|-------------------------------|---------------|---------------|---------------------------|-----------------------------|----------------------------|--------------|-------------------------|-----------------------|-------------------|---------------|-----------------------|-----------------------|------------------------|---------------|-----------------------|-------------------------|---------------|---------------|---------------|---------------|
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-9C ZB2 | | 1.300 | J. C. Wall | 7 T T | | | 7-770 | | 10000 | 0 = 0 | 1000 | | 100 | | 100 | 7 (73) | | T-D-D | 1-10-7 | 1735 |
| Oct-13 | < 0.50 | < 0.50 | 0.36 J | < 0.50 | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 7.5 | <1.0 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | NA | NA | NA | NA |
| Oct-12 | < 0.50 | 5 | 3.7 | < 0.50 | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | <1.0 | <1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-11 | < 0.50 | < 0.50 | < 0.50 | <0.50 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | < 0.50 | <0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-10 | < 0.50 | 0.98 | 2.1 | < 0.50 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-09 | < 0.50 | 78 | 57 | 2.2 | - | 2.8 | < 0.50 | 1.7 | < 0.50 | < 0.50 | <1.0 | < 0.50 | 0.63 | <1.0 | < 0.50 | <0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-08 | <0.5 | 43 | 17 | 0.6 | - | 0.66 | <0.5 | 0.82 | < 0.5 | < 0.5 | <1 | <0.5 | < 0.5 | <1 | < 0.5 | <0.5 | < 0.5 | <0.5 | < 0.5 | <1 |
| Oct-07 | < 0.5 | 88 | 36 | 1.4 | - | 1.6 | <0.5 | 1.7 | < 0.5 | < 0.5 | <1.0 | <0.5 | 1.1 | <1.0 | < 0.5 | <0.5 | < 0.5 | <0.5 | < 0.5 | <1.0 |
| Oct-06 | < 0.5 | 0.88 | 0.54 | < 0.5 | - | <0.5 | <0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <1.0 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA |
| Oct-05 | <0.5 | 1.7 | 1.4 | < 0.5 | 1 | <0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <1.0 | < 0.5 | <0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA |
| Oct-04 | <0.5 | 6.1 | 2.9 | < 0.5 | L | <0.5 | <0.5 | < 0.5 | < 0.5 | <0.5 | <1.0 | <1.0 | <1.0 | <2.0 | < 0.5 | < 0.5 | NA | NA | NA | NA |
| Oct-03 | <2.5 | 83 | 59 | <2.5 | - | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 | <5.0 | <2.5 | <10 | <2.5 | <2.5 | NA | NA | NA | NA |
| Oct-02 | < 0.5 | 3.1 | 2.4 | <0.5 | 1 | < 0.5 | <0.5 | < 0.5 | < 0.5 | <0.5 | <1.0 | <1.0 | < 0.5 | <2.0 | < 0.5 | < 0.5 | NA | NA | NA | NA |
| Oct-01 | <5.0 | 94 | 65 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-00 | <3.0 | 66 | 43 | <3.0 | 1 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | ND | ND | <3.0 | ND | <3.0 | <3.0 | NA | NA | NA | NA |
| Oct-99 | <1.0 | 3.9 | 1.9 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-99 Dup | <1.0 | 4.0 | 1.7 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-98 | <1.0 | 2.4 | <1.0 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-97 | < 0.5 | 2.9 | 0.9 | < 0.5 | - | < 0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-96 | < 0.5 | 25 | 3.8 | < 0.5 | LOS T | < 0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-95 | <1.0 | 8.6 | 1 | 12 | 1.8 | <2.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-94 | < 0.5 | 12 | 4 | - | 2 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-93 | < 0.5 | 66 | 1-0 | - | 13 | <1.0 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | 4.9 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-92 | < 0.5 | 8 | 1-01 | - | < 0.5 | <1.0 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | NA | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-91 | < 0.5 | 51 | - | - | 1 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | 18 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-90 | < 0.5 | 81 | - | 144 | < 0.5 | <1.0 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | 9.0 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-90 | < 0.5 | 73 | 1- | 141 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | 9.8 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Aug-89 | <1.0 | 190 | - | 144 | 1 | <1.0 | <1.0 | <1.0 | <1.0 | 14 | 1240 | 2 | 33 | ND | <1.0 | 1 | - 4 | 1 | 4 | 14 |
| May-88 | <2.5 | 470 | - | - | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 100 | 1.84.0 | 122 | 160 | ND | <2.5 | 10.2003 | - | - | - | 2 |
| Jan-88 | <5.0 | 330 | - | 14 | <5.0 | <5.0 | 7.5 | <5.0 | <5.0 | | 1 | 1 4 | 280 | ND | <5.0 |) 1. 2 . (1) | - | - | - | - |
| Jul-86 | <0.5 | 9.2 | - |) A | <0.5 | <0.5 | <0.5 | < 0.5 | < 0.5 | = | | 1.54 | 32 | ND | <0.5 | (400) | | -11 | - | - |
| Apr-86 | < 0.5 | <0.5 | - | | <0.5 | <0.5 | <0.5 | < 0.5 | < 0.5 | 2 | (| 122 | <0.5 | ND | <0.5 | 7.40 | | (A) | 1.4 | |
| Jan-86 | <0.5 | <0.5 | 1 - 1 | 7 14 | <0.5 | <0.5 | <0.5 | < 0.5 | <0.5 | - | | 15Ac1 | NA | ND | < 0.5 | , - And | | - 1 | | _ |
| Oct-85 | <0.5 | < 0.5 | 14 | 14. | <0.5 | <0.5 | <0.5 | < 0.5 | < 0.5 | = | - 400 | 9.74 | <0.5 | ND | < 0.5 | next) | - | 10-11 | 114 | - |
| Jan-85 | <0.5 | < 0.5 | | 100 | < 0.5 | NA | < 0.5 | NA | NA | 04.5 | - | | < 0.5 | ND | NA | 1420 | | - | 3 4 | 1.2 |

| Well Number/ | PCE | TCE | cis- 1,2-DCE | trans- 1,2-DCE | Total 1,2-DCE | VC | 1,1,1- TCA | 1,1- DCE | 1,1-DCA | CDM | Freon 11 | Freon 12 | Freon 113 | BFM | 1,2- DCB | CBN | BEN | EBN | TOL | XYL |
|-------------------------------|--------------|------------------|-----------------|-------------------|------------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|---------------------|------------|------------|------------|------------|
| Dates | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) |
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-10C ZB2 | J 3 9 | | 4 3-5 | | | | 7. | 1 | 1300 | 3 | 175 | 1-12 | X a l | | 2.70 | 2 57 | 1000 | 74777-0 | ATT I | |
| Oct-13 | <10 <5.0 | 1100 1,200 | 58 83 | <10 | | <10 <5.0 | <10 <5.0 | <10 <5.0 | <10 <5.0 | <5.0 | <20 | <10 <5.0 | 170 160 | <20 | <10 <5.0 | <10 <5.0 | NA <5.0 | NA <5.0 | NA <5.0 | NA <10 |
| Oct-12 Oct-11 | <5.0 | 890 | 88 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10.0 <10 | <5.0 | 160 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 |
| Oct-10 | < 0.50 | 790 | 61 | 2.2 | | 2.5 | <0.50 | 2.4 | <0.50 | <0.50 | <1.0 | <0.50 | 120 | <1.0 | < 0.50 | <0.50 | <0.50 | < 0.50 | <0.50 | <1.0 |
| Oct-09 | < 0.50 | 3.0 | 350 | 4.0 | C | 14 | < 0.50 | 2.4 | < 0.50 | <0.50 | <1.0 | < 0.50 | 57 | <1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <1.0 |
| Oct-08 | <50 | 1,900 | 68 | <50 | - | <50 | <50 | <50 | <50 | <50 | <100 | <50 | 450 | <100 | <50 | <50 | <50 | <50 | <50 | <100 |
| Oct-07 Oct-06 | 2.5 <2.5 | 4,500 340 | 100 14 | 6.5 <2.5 | - | 6.8 <2.5 | <2.5 <2.5 | 7.1 <2.5 | <2.5 <2.5 | <2.5 <2.5 | <2.5 | <2.5 <5.0 | 570 70 | <5.0 <2.5 | <2.5 | <2.5 | <2.5 NA | <2.5 NA | <2.5 NA | <5.0 NA |
| Oct-05 | <5.0 | 710 | 28 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | 110 | <5.0 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-04 | <2.0 | 270 | 10 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | <4.0 | 39 | <8.0 | <2.0 | <2.0 | NA | NA | NA | NA |
| Oct-03 | <5.0 | 290 | 9.8 | <5.0 | | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <10 | 40 | <20 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-02 | <2.5 | 390 | 18 | <2.5 | - | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 | <5.0 | 61 | <10 | <2.5 | <2.5 | NA | NA | NA | NA |
| Oct-01 Oct-00 | <50 <40 | 1,600 440 | 180 58 | <50 <40 | | <50 <40 | <50 <40 | <50 <40 | <50 <40 | <50 <40 | <50 ND | 100 ND | 780 <40 | <200 ND | <50 <40 | <50 <40 | NA NA | NA NA | NA NA | NA NA |
| Oct-99 | <2.0 | 110 | 20 | <2.0 | _ | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | 11 | ND | <2.0 | ND | NA | NA | NA | NA |
| Oct-98 | <5.0 | 130 | 12 | <5.0 | 10-20 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 9.7 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-97 | <2.5 | 57 | <2.5 | <2.5 | | <2.5 | <2.5 | <2.5 | <2.5 | ND | ND | ND | <2.5 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-96 Oct-95 | <0.5 <1.0 | 46 38 | 1.6 | <0.5 | 3.2 | <0.5 <2.0 | <0.5 | <0.5 <1.0 | <0.5 | ND ND | ND ND | ND ND | 0.8 <1.0 | ND ND | <0.5 <1.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-94 | <25 | 200 | _ | - | <25 | <25 | <25 | <25 | <25 | ND | ND | ND | <25 | ND | <25 | ND | NA | NA | NA | NA NA |
| Oct-93 | <0.5 | 260 | - | - | 0.9 | <1.0 | <0.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-92 | <0.5 | 250 | - | - | 8.0 | <1.0 | <0.5 | <0.5 | <0.5 | ND | ND | ND | NA | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-92 | <0.5 | 290 | - | - | 0.9 | <1.0 | <0.5 | <0.5 | <0.5 | ND | ND | ND | NA | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-92 Apr-92 | <0.5 3.0 | 97 2,300 | - | _ | 1.1 6.5 | <0.5 | <0.5 4.5 | <0.5 79 | <0.5 | ND ND | ND ND | ND ND | 8.3 <0.5 | ND ND | <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-92 | <20 | 4,400 | - | - | <20 | <20 | <20 | <20 | <20 | ND | ND | ND | <20 | ND | <20 | ND | NA | NA | NA | NA |
| Jan-92 | <30 | 2,900 | - | - | <30 | <30 | <30 | <30 | <30 | ND | ND | ND | 90 | ND | <30 | ND | NA | NA | NA | NA |
| Oct-91 | <50 | 5,900 | - | 1-4 | <50 | <50 | <50 | <50 | <50 | ND | ND | ND | <50 | ND | <50 | ND | NA | NA | NA | NA |
| Oct-91 Oct-91 | <20 <10 | 2,700 4,100 | - | - | <20 <10 | <20 <20 | <20 <10 | <20 <10 | <20 <10 | ND ND | ND ND | ND ND | 110 180 | ND ND | <20 <10 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jul-91 | <50 | 7,000 | - | - | <50 | <50 | <50 | <50 | <50 | ND | ND | ND | 220 | ND | <50 | ND | NA NA | NA | NA NA | NA NA |
| Jul-91 | <50 | 6,800 | - | - | <50 | <50 | <50 | <50 | <50 | ND | ND | ND | 360 | ND | <50 | ND | NA | NA | NA | NA |
| Jul-91 | <50 | 5,400 | - | | <50 | <100 | <50 | <50 | <50 | ND | ND | ND | 200 | ND | <50 | ND | NA | NA | NA | NA |
| Apr-91 | 1 | 2,200 | - | - | 5.5 | <1.0 | 6.0 | 16 | 1.4 | ND | ND | ND | 170 | ND | <0.5 | ND | NA | NA | NA | NA |
| Apr-91 Apr-91 | <50 <50 | 5,200 3,500 | - | - | <50 <50 | <50 <50 | <50 <50 | <50 <50 | <50 <50 | ND ND | ND ND | ND ND | 340 210 | ND ND | <50 <50 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jan-91 | <20 | 4,100 | _ | - | <20 | <20 | <20 | 40 | <20 | ND | ND | ND | 150 | ND | <20 | ND | NA | NA | NA | NA |
| Jan-91 | <20 | 4,000 | - | - | <20 | <20 | <20 | 70 | <20 | ND | ND | ND | 160 | ND | <20 | ND | NA | NA | NA | NA |
| Jan-91 | <25 | 3,000 | - | 1 | <25 | <50 | 27 | 41 | <25 | ND | ND | ND | 270 | ND | <25 | ND | NA | NA | NA | NA |
| Oct-90 | <20 <20 | 4,200 | - | - | <20 <20 | <20 | <20 <20 | <20 <20 | <20 <20 | ND ND | ND | ND ND | 550 | ND ND | <20 | ND | NA | NA | NA NA | NA NA |
| Jul-90 Jul-90 | <200 | 4,600 6,800 | - | - | <200 | <20 <400 | <200 | <200 | <200 | ND | ND ND | ND | 490 860 | ND | <200 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Apr-90 | <100 | 11,000 | - | - | <100 | <100 | <100 | <100 | <100 | ND | ND | ND | 670 | ND | <100 | ND | NA | NA | NA | NA |
| Apr-90 | <100 | 11,000 | - | | <100 | <100 | <100 | <100 | <100 | ND | ND | ND | 600 | ND | <100 | ND | NA | NA | NA | NA |
| Apr-90 | <25 | 7,500 | - | - | <25 | <50 | 55 | 45 | <25 | ND | ND | ND | 1,100 | ND | <25 | ND | NA | NA | NA | NA |
| Jan-90 Jan-90 | <100 <100 | 16,000 15,000 | - | - | <100 <100 | <100 <100 | <100 <100 | <100 <100 | <100 <100 | ND ND | ND ND | ND ND | 1,800 1,600 | ND ND | <100 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jan-90 | <20 | 15,000 | - | - | <20 | <20 | <90 | <20 | <20 | ND | ND | ND | 1,600 | ND | <20 | ND | NA | NA | NA | NA |
| Oct-89 | <50 | 13,000 | 118.0 | | <50 | <50 | <50 | <50 | <50 | C 42.11 | ND | | 3,400 | ND | <50 | | - | 71.41 | ne r | I EIT |
| Aug-89 | <50 | 13,000 | |) - | <50 | <50 | 200 | <50 | <50 | - | ND | | 1,500 | ND | <50 | - | - | 10-211 | - | - |
| May-89 May-89 | 13 <50 | 14,000 | - | - | 10.3 <50 | <0.2 <50 | 320 250 | <50 | 10 <50 | - | ND ND | - | 1,900 | ND ND | <0.2 <50 | _ | - | _ | 0 8 | = |
| Feb-89 | <250 | 9,300 | - | - | <250 | <250 | <250 | <250 | <250 | = | ND | = | 550 | ND | <250 | | - | = | 8 2 | - |
| Nov-88 | <50 | 12,000 | - | - | <50 | <50 | 200 | 50 | <50 | 000 | ND | - | 1,400 | ND | <50 | 200 | - | 10-10 | 0 4 | |
| Aug-88 | <100 | 16,000 | - |) (E) | <100 | <100 | 300 | <100 | <100 | - | ND | - | 2,300 | ND | <100 | 1420 | - | Do-ELD | 0 8 | 1.90 |
| May-88 | <50 | 7,100 | | - | <50 | <50 | 100 | <50 | <50 | - | ND | | 640 | ND | <50 |) - - (1 | - | 10-11 | 0 0 | 1.90 |
| Jan-88 Oct-87 | <100 <50 | 10,000 6,700 | - | - | <100 <50 | <100 <50 | <100 60 | <100 <50 | <100 <50 | - | ND ND | - | 3,200 1,700 | ND ND | <100 <50 | - | | - | 0 8 | |
| Jun-87 | <25 | 4,200 | _ | _ | <25 | <25 | <25 | <25 | <25 | _ | ND | _ | 460 | ND | <25 | = | - | - | 5 = | |
| Apr-87 | <10 | 2,000 | - | - | <10 | <10 | <10 | 66 | <10 | - | ND | - | 360 | ND | <10 | - | - | 1 -11 | 0 4 | 2 |
| Jan-87 | <50 | 9,500 | - |) (m) | <50 | <50 | <50 | <50 | <50 | - | ND | 124 | 700 | ND | <50 | | - |) veni | 0 = | 1-9-1 |
| Sep-86 | 130 | 3,600 | - | - | <25 | <25 | <25 | <25 | <25 | - | ND | 1 = 1 | 1,100 | ND | <25 | 200 | - | | - | - 1 |
| Jul-86 Jul-86 | <1.0 <25 | 6,800 5,400 | = | _ | <1.0 <25 | <1.0 | 44 <25 | 54 <25 | <1.0 <25 | - | ND ND | - | 1,600 2,700 | ND ND | <1.0 <25 | - | - | - |) Te/ | = |
| our ou | -23 | 3,400 | | | ~23 | -23 | -23 | -20 | -25 | | NU | _ | 2,700 | HU | -20 | | | | | |

| | | - | cis- | trans- | Total | | 1,1,1- | 1,1- | | | Freon | Freon | Freon | | 1,2- | - | | 7 | | |
|-------------------------------|----------------|----------------|-------------------|-------------------|-------------------|----------------|----------------|----------------|-------------------|---------------|--------------|----------------|---------------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|
| Well Number/ Dates | PCE (µg/L) | TCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | 1,2-DCE (µg/L) | VC (µg/L) | TCA (µg/L) | DCE (µg/L) | 1,1-DCA (µg/L) | CDM (µg/L) | 11 (µg/L) | 12 (µg/L) | 113 (µg/L) | BFM (µg/L) | DCB (µg/L) | CBN (µg/L) | BEN (µg/L) | EBN (µg/L) | TOL (µg/L) | XYL (µg/L) |
| Drinking Water Standard | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| T-11C ZB2 | | | | | | | | | - | | | | | | | | | | | |
| Oct-13 | <2.5 | 460 | 35 | 0.68 J | | 4.8 | <2.5 | 2.4 J | <2.5 | | <5.0 | <2.5 | 22 | <5.0 | <2.5 | <2.5 | NA | NA | NA | NA |
| Oct-12 | <2.5 | 290 | 26 | <2.5 | | 5.2 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 | <2.5 | 17 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 |
| Oct-11 Oct-10 | <2.5 <0.50 | 310 250 | 22 16 | <2.5 <0.50 | _ | 6.4 3.7 | <2.5 <0.50 | <2.5 1.1 | <2.5 <0.50 | <2.5 | <5.0 <1.0 | <2.5 <0.50 | 16 5.5 | <5.0 <1.0 | <2.5 <0.50 | <2.5 | <2.5 <0.50 | <2.5 <0.50 | <2.5 <0.50 | <5.0 <1.0 |
| Oct-09 | <0.50 | 1.7 | 3.9 | <0.50 | _ | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <0.50 | <1.0 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 |
| Oct-08 | <0.5 | 18 | 1.2 | <0.5 | 10201 | <0.5 | <0.5 | < 0.5 | < 0.5 | < 0.5 | <1 | < 0.5 | 0.60 | <1 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <1 |
| Oct-07 | <2.5 | 290 | 20 | <2.5 | - | 11 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 | <2.5 | 14 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <5.0 |
| Oct-06 Oct-05 | <2.5 <0.5 | 330 28 | 22 1.6 | <2.5 <0.5 | | 11 <0.5 | <2.5 <0.5 | <2.5 <0.5 | <2.5 <0.5 | <2.5 <0.5 | <2.5 <0.5 | <5.0 <1.0 | 13 0.8 | <2.5 | <2.5 <0.5 | <2.5 <0.5 | NA NA | NA NA | NA NA | NA NA |
| Oct-04 | <0.5 | 27 | 1.2 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | <0.5 | <0.5 | NA | NA | NA | NA |
| Oct-03 | <0.5 | 17 | 0.53 | <0.5 | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | <0.5 | <0.5 | NA | NA | NA | NA |
| Oct-02 Oct-01 | <2.5 <5.0 | 63 300 | 2.6 5.7 | <2.5 <5.0 | - | <2.5 <5.0 | <2.5 <5.0 | <2.5 | <2.5 | <2.5 | <5.0 <10 | <5.0 <5.0 | <2.5 | <10 <5.0 | <2.5 <5.0 | <2.5 | NA NA | NA NA | NA NA | NA NA |
| Oct-00 | <30 | 320 | <30 | <30 | - | <30 | <30 | <5.0 <30 | <5.0 <30 | <5.0 <30 | ND | ND | <30 | ND | <30 | <5.0 <30 | NA NA | NA NA | NA NA | NA NA |
| Oct-99 | <5.0 | 290 | <5.0 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-98 | <10 | 270 | <10 | <10 | - | <10 | <10 | <10 | <10 | ND | ND | ND | <10 | ND | <10 | ND | NA | NA | NA | NA |
| Oct-98 Dup | <2.0 | 160 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | 4.4 | ND | <2.0 | ND | NA | NA | NA | NA |
| Oct-97 Oct-96 | <1.0 <0.5 | 36 37 | 2.0 <0.5 | <1.0 <0.5 | - | <1.0 <0.5 | <1.0 <0.5 | <1.0 | <1.0 <0.5 | ND ND | ND ND | ND ND | <1.0 1.0 | ND ND | <2.0 <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-95 | <1.0 | 54 | - | - | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | 2.1 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-94 | <5.0 | 110 | 4 | 14 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-93 | <0.5 <0.5 | 210 150 | - | - | 2.3 | <1.0 | <0.5 | <0.5 | <0.5 | ND | ND | ND | 7.5 NA | ND | <0.5 | ND | NA NA | NA NA | NA NA | NA |
| Oct-92 Apr-92 | <10.5 | 1,500 | - | - | 9.3 | <1.0 <10 | <0.5 <10 | <0.5 <10 | <0.5 | ND ND | ND ND | ND ND | NA <10 | ND ND | <0.5 <10 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jan-92 | <5.0 | 1,000 | - | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 67 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-91 | <5.0 | 960 | - | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 28 | ND | <5.0 | ND | NA | NA | NA | NA |
| Jul-91 | <2.0 | 800 | - | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | 42 | ND | <2.0 | ND | NA | NA | NA | NA |
| Apr-91 Jan-91 | <2.0 <2.0 | 270 290 | _ | _ | <2.0 4.0 | <2.0 | <2.0 | <2.0 | <2.0 | ND ND | ND ND | ND ND | 18 | ND ND | <2.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-90 | <2.0 | 330 | - | | 16 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | 16 | ND | <2.0 | ND | NA | NA | NA | NA |
| Jul-90 | <5.0 | 330 | - | 0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 7.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Apr-90 Jan-90 | <5.0 <2.0 | 570 410 | - | 100 | <5.0 5.0 | <5.0 | <5.0 <2.0 | <5.0 | <5.0 | ND ND | ND ND | ND ND | 13 15 | ND ND | <5.0 | ND | NA | NA | NA NA | NA |
| Oct-89 | <1.0 | 500 | _ | - | 40 | <2.0 | <1.0 | <2.0 | <2.0 | - | ND | - ND | 70 | ND | <2.0 <1.0 | ND - | NA - | NA - | NA — | NA - |
| Aug-89 | <2.0 | 680 | - | - | 72 | <2.0 | <2.0 | <2.0 | <2.0 | - | ND | | 47 | ND | <2.0 |) r2r1 | - | - | 1 4 | - |
| May-89 | <2.5 | 560 | - | - | 23 | <2.5 | <2.5 | <2.5 | <2.5 | - | ND | - | 49 | ND | <2.5 |) (A) | - | 1 | - | - |
| Feb-89 Nov-88 | <25 <10 | 780 740 | _ | - | <25 <10 | <25 <10 | <25 | <25 <10 | <25 <10 | - | ND ND | - | 100 | ND ND | <25 <10 | _ | 1 | 1 |) = | - |
| Aug-88 | <25 | 1,800 | _ | - | 87 | <25 | <25 | <25 | <25 | _ | ND | _ | 230 | ND | <25 | _ | - | - | 5 = | - 3 |
| May-88 | <5.0 | 1,100 | - | - | 40 | <5.0 | <5.0 | <5.0 | <5.0 | - | ND | 1 = 1 | 120 | ND | <5.0 | 1 - 1 | - | 1 |) + | - |
| Jan-88 | <25 | 2,200 | - | - | <25 | <25 | <25 | <25 | <25 | - | ND | 9 4 1 | 430 | ND | <25 | - | 1 | 1 | 0.00 | - |
| Oct-87 Jun-87 | <10 <10 | 1,900 2,900 | _ | - | <10 <10 | <10 <10 | <10 <10 | <10 <10 | <10 <10 | - | ND ND | - | 140 230 | ND ND | <10 <10 | _ | | - 1 | 3 = | - |
| Apr-87 | 11 | 1,600 | _ | - | 87 | <10 | <10 | 12 | <10 | _ | ND | _ | 210 | ND | <10 | _ | - | | 5 = | |
| Jan-87 | <10 | 2,200 | - | - | <10 | <10 | <10 | <10 | <10 | - | ND | 124 | 260 | ND | <10 | - | - | 1 |) 4 | - |
| Sep-86 | 62 | 3,100 | - | | <25 | <25 | <25 | <25 | <25 | - | ND | - | 660 | ND | <25 | - | - | 1 |) + | - |
| Jul-86 Jul-86 | <1.0 <25 | 1,800 4,600 | - | | <1.0 <25 | <1.0 <25 | 9.7 | 3.2 <25 | <1.0 <25 | - | ND ND | | 710 2,000 | ND ND | <1.0 <25 | 2 | - | - | - | - |
| T-12C ZB2 | 123 | 4,000 | | | 123 | 123 | 123 | 123 | 123 | | ND | | 2,000 | NU | 123 | | 7 | | | |
| Oct-13 | < 0.50 | 140 | 85 | 1.5 | 1 | 4.7 | < 0.50 | 2.3 | < 0.50 | | <1.0 | 0.23 J | 2.7 | <1.0 | < 0.50 | < 0.50 | NA | NA | NA | NA |
| Oct-12 | <0.50 | 9.3 | 11 | < 0.50 | | <0.50 | < 0.50 | <0.50 | < 0.50 | <0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | < 0.50 | <0.50 | < 0.50 | < 0.50 | <0.50 | <1.0 |
| Oct-11 Oct-10 | <0.50 <0.50 | 7.6 6.3 | 8.7 4.2 | <0.50 <0.50 | | <0.50 <0.50 | <0.50 <0.50 | <0.50 <0.50 | <0.50 <0.50 | <0.50 | <1.0 <1.0 | <0.50 <0.50 | <0.50 | <1.0 | <0.50 <0.50 | <0.50 | <0.50 | <0.50 <0.50 | <0.50 | <1.0 <1.0 |
| Oct-09 | <0.50 | 170 | 53 | 1.2 | - | 3.8 | <0.50 | 1.7 | <0.50 | <0.50 | <1.0 | <0.50 | 3.4 | <1.0 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 |
| Oct-08 | <2 | 170 | 65 | <2 | - | 4.7 | <2 | <2 | <2 | <2 | <4 | <2 | 3.7 | <4 | <2 | <2 | <2 | <2 | <2 | <4 |
| Oct-07 | <2.0 | 210 | 19 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | <2.0 | 5.2 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 |
| Oct-06 Oct-05 | <2.0 <2.0 | 210 180 | 37 39 | <2.0 | | 3.1 4.3 | <2.0 | <2.0 | <2.0 <2.0 | <2.0 | <2.0 | <4.0 <4.0 | 5.7 5.4 | <2.0 | <2.0 | <2.0 | NA NA | NA NA | NA NA | NA NA |
| Oct-04 | <2.0 | 240 | 50 | <2.0 | - | 4.2 | <2.0 | <2.0 | <2.0 | <2.0 | <4.0 | <4.0 | 7.6 | <8.0 | <2.0 | <2.0 | NA | NA | NA | NA |
| Oct-03 | <5.0 | 210 | 61 | <5.0 | | 6.2 | <5.0 | <5.0 | <5.0 | <5.0 | <10 | <10 | 7.8 | <20 | <5.0 | <5.0 | NA | NA | NA | NA |
| Oct-02 | <1.0 | 180 | 17 | 1.4 | - | 1.9 | <1.0 | 1.7 | <1.0 | <1.0 | <2.0 | <2.0 | 2.6 | <4.0 | <1.0 | <1.0 | NA NA | NA NA | NA NA | NA NA |
| Oct-01 Oct-00 | <5.0 <10 | 150 160 | 14 14 | <5.0 <10 | - | <5.0 <10 | <5.0 <10 | <5.0 <10 | <5.0 <10 | <5.0 <10 | <5.0 ND | <10 ND | <20 <10 | <20 ND | <5.0 <10 | <5.0 <10 | NA NA | NA NA | NA NA | NA NA |
| Oct-99 | <2.0 | 130 | 18 | <2.0 | - | 2.6 | <2.0 | <2.0 | <2.0 | ND | ND | ND | 2.7 | ND | <2.0 | ND | NA | NA | NA | NA |
| Oct-98 | <5.0 | 140 | <5.0 | <5.0 | - | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-98 Dup | <2.0 <2.5 | 110 150 | 5.6 <2.5 | <2.0 <2.5 | - | <2.0 <2.5 | <2.0 | <2.0 | <2.0 | ND ND | ND ND | ND ND | 2.2 <2.5 | ND ND | <2.0 <5.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-97 Oct-96 | <0.5 | 120 | 2.4 | <0.5 | - | <0.5 | <2.5 <0.5 | <0.5 | <2.5 <0.5 | ND | ND ND | ND | 2.8 | ND | <0.5 | ND | NA NA | NA NA | NA NA | NA NA |
| Oct-95 | <1.0 | 100 | - | - | 110 | 5.7 | <1.0 | <1.0 | <1.0 | ND | ND | ND | 5.7 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-94 | <5.0 | 130 | - | - | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | ND | ND | ND | <5.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-93 | <5.0 | 210 | - | I | <5.0 | <10 | <5.0 | <5.0 | <5.0 | ND | ND | ND | 6.0 | ND | <5.0 | ND | NA | NA | NA | NA |
| Oct-92 Apr-92 | <0.5 <2.0 | 130 430 | _ | - | 2.0 <2.0 | <1.0 | <0.5 <2.0 | <0.5 | <0.5 <2.0 | ND ND | ND ND | ND ND | NA <2.0 | ND ND | <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jan-92 | <3.0 | 410 | _ | -1 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | ND | ND | ND | 10 | ND | <3.0 | ND | NA | NA | NA | NA |
| | | 250 | - | - | | | | | | | | | | | | | | | | NA |
| Oct-91 Jul-91 | <1.0 <1.0 | 240 | | - 0 | 10 19 | <1.0 <1.0 | <1.0 | <1.0 | <1.0 <1.0 | ND ND | ND ND | ND ND | 11 16 | ND ND | <1.0 <1.0 | ND ND | NA NA | NA NA | NA NA | NA |

| | - | | cis- | trans- | Total | | 1,1,1- | 1,1- | | | Freon | Freon | Freon | | 1,2- | | | - | | |
|--------------------|--------------|-------------|----------|------------|-----------|--------------|--------------|--------------|--------------|----------|----------|------------------|--------------|----------|--------------|----------|----------|----------|----------|----------|
| Well Number/ | PCE | TCE | 1,2-DCE | 1,2-DCE | 1,2-DCE | VC | TCA | DCE | 1,1-DCA | CDM | 11 | 12 | 113 | BFM | DCB | CBN | BEN | EBN | TOL | XYL |
| Dates | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) |
| Drinking Water | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| Standard | э | э | 0 | 10 | 0 | 0.5 | 200 | 0 | э | 100 | 150 | NE | 1200 | 100 | 600 | 70 | | 300 | 130 | 1750 |
| | ontinued) | | | | | | | | | | | | | | | | | | | |
| Apr-91 | <2.0 | 290 | | - | 6.0 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | 7.0 | ND | <2.0 | ND | NA | NA | NA | NA |
| Jan-91 | <2.0 | 290 | 1 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | 4.0 | ND | <2.0 | ND | NA | NA | NA | NA |
| Oct-90 | <2.0 | 350 | - | 1-1 | 2.0 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | 14 | ND | <2.0 | ND | NA | NA | NA | NA |
| Jul-90 | <2.0 | 460 | - | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | ND | ND | ND | 13 | ND | <2.0 | ND | NA | NA | NA | NA |
| Apr-90 Jan-90 | <2.0 | 390 440 | - | | <2.0 | <2.0 | <2.0 <2.0 | <2.0 | <2.0 | ND ND | ND ND | ND ND | 9.0 | ND ND | <2.0 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-89 | <2.0 | 410 | _ | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | ND | - | 17 | ND | <2.0 | - | - | - | - INA | - INA |
| Aug-89 | <2.0 | 350 | _ | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | ND | | 17 | ND | <2.0 | 1 (2) | - | | - | |
| Aug-89 | <10 | 260 | | | <10 | <20 | <10 | <10 | <10 | - | ND | | NA | ND | NA | - EC | | | - | - |
| 36DD ZB2 | | | | | | | 7-11-1 | L. I | | | 44 | J- 1. 1 | | | | | | | 1 | |
| Oct-13 | <0.5 | <0.5 | 11 | 0.9 | - | 1.3 | NA | <0.5 | <0.5 | NA | NA | NA | <2.0 | NA | < 0.5 | NA | NA | NA | NA | NA |
| Oct-12 | <0.5 | 3.2 | 24 | 1.8 | - | 3.3 | NA | <0.5 | <0.5 | NA | NA | NA | <2.0 | NA | <0.5 | NA | NA | NA | NA | NA |
| Oct-11 Oct-10+ | <0.5 <0.5 | 2.6 <0.5 | 10 14 | 1.9 0.7 | - | 5.5 2.2 | NA <0.5 | <0.5 <0.5 | <0.5 <0.5 | NA NA | NA NA | NA NA | <2.0 | NA NA | <0.5 <0.5 | NA NA | NA NA | NA NA | NA NA | NA NA |
| Oct-09+ | <0.5 | 1.3 | 35 | 1.8 | - | 2.5 | <0.5 | <0.5 | <0.5 | NA | NA | NA | <2.0 | NA | <0.5 | NA | NA | NA | NA | NA |
| Oct-08+ | <0.5 | 1.6 | 24 | 1.1 | - | 1.6 | <0.5 | <0.5 | <0.5 | NA | NA | NA | <2.0 | NA | <0.5 | NA | NA | NA | NA | NA |
| Oct-07+ | <0.5 | 1.5 | 22 | 0.8 | - | 3.6 | <0.5 | <0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | <0.5 | NA | NA | NA | NA |
| Oct-06+ | <0.5 | 8.0 | 22 | 1.2 | 1 | 6.2 | <0.5 | <0.5 | 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | <0.5 | NA | NA | NA | NA |
| Oct-05+ | <0.5 | <0.5 | 73 | 2.5 | - | 12 | <0.5 | 0.5 | 0.7 | ND | ND | ND | <1.0 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-04+ Oct-03+ | <0.5 <0.5 | 0.5 1.2 | 31 29 | 2.2 1.9 | - | 4.5 | <0.5 <0.5 | <0.5 | 0.5 | ND ND | ND ND | ND ND | <1.0 <1.0 | ND ND | <0.5 | ND | NA NA | NA | NA NA | NA NA |
| Oct-03+ | <0.5 | 8.1 | 130 | 2.2 | - | 1.3 | <0.5 | 0.7 | <0.5 | ND | ND | ND | <1.0 | ND | <0.5 <0.5 | ND ND | NA NA | NA NA | NA NA | NA |
| Oct-01+ | <0.5 | 11 | 110 | 1.6 | | <0.5 | <0.5 | 0.8 | 1.1 | ND | ND | ND | <1.0 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-00+ | <0.5 | 6.4 | 100 | 1.4 | - | <1.0 | <0.5 | <0.5 | 1.0 | ND | ND | ND | <1.0 | ND | <0.5 | ND | NA | NA | NA | NA |
| Apr-98+ | <1.2 | 11 | 42 | <1.2 | 4 | <1.2 | NA | <1.2 | <1.2 | ND | ND | ND | <5.0 | ND | <1.2 | ND | NA | NA | NA | NA |
| Oct-99 | <1.0 | 10 | 77 | 1.2 | - | <1.0 | <1.0 | <1.0 | 1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-97+ | <0.5 | 13 | 49 | 1.1 | - | <0.5 | <0.5 | 0.5 | 0.7 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-96 Oct-95 | <0.5 <1.0 | 22 42 | 29 | 1.4 | 15.1 | <0.5 | <0.5 <1.0 | <0.5 | 0.5 <1.0 | ND ND | ND ND | ND ND | <0.5 | ND ND | <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Oct-94 | <0.5 | 58 | _ | - | 12 | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-93 | <0.5 | 38 | _ | - | 8.7 | <1.0 | <0.5 | <0.5 | 0.6 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-92 | < 0.5 | 29 | - |) A | 5.8 | <1.0 | < 0.5 | < 0.5 | 0.6 | ND | ND | ND | NA | ND | < 0.5 | ND | NA | NA | NA | NA |
| Apr-92 | < 0.5 | 45 | 1 | | 11 | <0.5 | <0.5 | <0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jan-92 | <0.5 | 37 | - | - | 23 | <0.5 | <0.5 | <0.5 | 0.9 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-91 Jul-91 | <0.5 <0.5 | 36 29 | - | 14 | 21 | <0.5 | <0.5 | <0.5 | 0.8 | ND ND | ND | ND ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Apr-91 | <0.5 | 27 | - | - | 18 | <0.5 <0.5 | <0.5 <0.5 | <0.5 | 0.8 | ND | ND ND | ND | <0.5 <0.5 | ND ND | <0.5 <0.5 | ND ND | NA NA | NA NA | NA NA | NA NA |
| Jan-91 | <0.5 | 26 | - | | 16 | <0.5 | <0.5 | <0.5 | 0.6 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-90 | <0.5 | 1,100 | - |) A | 16 | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jul-90 | < 0.5 | 28 | - | - | 14 | <0.5 | <0.5 | <0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Apr-90 | <0.5 | 35 | - | | 15 | <0.5 | <0.5 | <0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jan-90 | <0.5 | 57 | - | 1-4 | 20 | <0.5 | <0.5 | <0.5 | 0.7 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-89 | <0.5 <0.5 | 62 70 | - | - | 13 21 | <0.5 <0.5 | <0.5 <0.5 | 0.5 1.5 | 1.5 3.1 | - | ND ND | - | <0.5 <0.5 | ND ND | <0.5 | | - | - | 2 4 | - |
| Aug-89 May-89 | <0.5 | 68 | _ | _ | 18 | <0.5 | 1.1 | 1.5 | 2 | = | ND | == | <0.5 | ND | <0.5 | 2 | = | | 5 = | = |
| Feb-89 | <5.0 | 72 | - | - | 16 | <5.0 | <5.0 | <5.0 | <5.0 | - | ND | 2 | <5.0 | ND | <5.0 | 1-20 | - | - | 5 = | _ |
| Nov-88 | <5.0 | 85 | - | - | 25 | <5.0 | <5.0 | <5.0 | <5.0 | 16 | ND | 334 | <5.0 | ND | <5.0 |) v2n1 | |) h= | 9 - 6 | 1.0-0 |
| Aug-88 | <1.0 | 72 | - | - | 43 | <1.0 | 1.6 | 1.4 | 3.7 | - | ND | 1.74 | 4.7 | ND | <1.0 | 1 2 | - | | 0 ÷ | - |
| May-88 | <0.5 | 68 | - | - | 40 | <0.5 | 1.5 | 1.6 | 5.0 | | ND | | 2.6 | ND | <0.5 | - | - | 1141 | - | 1 -0 |
| Jan-88 | <0.5 | 38 | - | - | 25 | <0.5 | 1.0 | <0.5 | 3.4 | - | ND | - | 1.9 | ND | <0.5 | - | - | - | | - |
| Oct-87 Jun-87 | <0.5 <0.5 | 40 32 | _ | - | 30 38 | <0.5 <0.5 | <0.5 | 0.7 <0.5 | 3.0 1.8 | _ | ND ND | | <0.5 <0.5 | ND ND | <0.5 | _ | = | = | 8 = | |
| Apr-87 | <0.5 | 53 | _ | - | 45 | <0.5 | 2.8 | 1.3 | 2.2 | _ | ND | = | <0.5 | ND | <0.5 | = | = | = | 5 = | = |
| Jan-87 | <0.5 | 26 | - | - L- | 16 | <0.5 | <0.5 | <0.5 | 2.3 | _ | ND | - | <0.5 | ND | <0.5 | - | - | - | 0 4 | - |
| Sep-86 | <0.5 | 20 | - | - | 23 | <0.5 | <0.5 | <0.5 | 1.8 | - | ND | | <0.5 | ND | <0.5 | | - |) veni | 0 4 | - |
| Jul-86 | <0.5 | 27 | - | - | 22 | <0.5 | <0.5 | <0.5 | <0.5 | - | ND | 4 | <0.5 | ND | <0.5 | 1.20 | - |) HELD | 0. 0 | - |
| Apr-86 | <0.5 | 27 | - | - | 2.4 | <0.5 | <0.5 | <0.5 | 1.8 | 1120 | ND | 9 = 1 | <0.5 | ND | <0.5 | - | - | 19-11 | - | - |
| Jan-86 | <0.5 | 31 | - | - | 24 | <0.5 | <0.5 | <0.5 | <0.5 | - | ND | 1.2 <u>4</u> 6.1 | NA <0.5 | ND | <0.5 | - | - | - | 0 0 | - |
| Oct-85 Nov-84 | <0.5 <0.5 | 8.6 5.1 | - | - | 17 6.3 | <0.5 NA | <0.5 <0.5 | <0.5 NA | <0.5 NA | - | ND ND | - | <0.5 NA | ND ND | <0.5 NA | - | - | - | 0 8 | |
| Mar-84 | NA | 11 | _ | _ | NA | NA NA | NA | NA NA | NA NA | = | ND | | NA NA | ND | NA | | = | | 5 2 | = |
| Aug-83 | <1.0 | 12 | - | - | 1.7 | ND | <1.0 | <1.0 | <1.0 | - | ND | | <1.0 | ND | ND | - | - | | 5 2 | |
| May-83 | ND | 990 | - | - | 120 | ND | ND | ND | ND | - | ND | 1 | ND | ND | ND | (4) | - | 1-1 | 774 | - |
| Apr-83 | 20 | 18 | _ | _ | 2 | ND | 18 | ND | ND | 100 | ND | 1 | ND | ND | ND | | | | 4 | 1 |

| | | _ | cis- | trans- | Total | | 1,1,1- | 1,1- | | | Freon | Freon | Freon | | 1,2- | | | | | |
|-------------------|--------------|--------------|-------------|----------------|--------------|-----------|--------------|---------|--------------|-----------|--------|----------|----------|----------|--------|---------------------|--------|--------|--------|--------|
| Well Number/ | PCE | TCE | 1,2-DCE | 1,2-DCE | 1,2-DCE | VC | TCA | DCE | 1,1-DCA | CDM | 11 | 12 | 113 | BFM | DCB | CBN | BEN | EBN | TOL | XYL |
| Dates | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) | (µg/L) |
| Drinking | (19/12) | (P9/L) | (19/12) | (P9/L) | (P9/L) | (P9/-/ | (P9/L/ | (19/11/ | (P9/L) | (P9/L/ | (P9'-) | (19/1) | (19/1) | (P9/L) | (P9/-/ | (19-1) | (P9'-/ | (P9/L) | (P9/L) | (P9'-) |
| Water | 5 | 5 | 6 | 10 | 6 | 0.5 | 200 | 6 | 5 | 100 | 150 | NE | 1200 | 100 | 600 | 70 | 1 | 300 | 150 | 1750 |
| Standard | | | 1 1000 | | | | | | | | 3700 | 1 1 7 | | | | | | | | |
| T-8D ZB4 | 1 1 1 0 | | 1 | , | | | | | | | | | | 1 = 1 1 | \$T | | | | | |
| Per Water Boar | rd approva | l, groundwat | er sampling | of well T-8 | BD was sus | pended in | 2002. | 2 1 | 377.0 | 3 | | 3 | 1 = 2 | 7 777 0 | 9 - 1 | T = 1 | | () | 0 8 7 | |
| 7 T S S S S S S S | | 12475 | | 74115 | | | 1118.0 | Lend | 1000 | J. Barrie | | | 100 | | 3 7.00 | | | . yo) | 0.03 | 1121 |
| Oct-01 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | - | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | <1.0 | <2.0 | <2.0 | < 0.5 | < 0.5 | NA | NA | NA | NA |
| Oct-00 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | <1.0 | ND | <1.0 | <1.0 | NA | NA | NA | NA |
| Oct-99 | <1.0 | <1.0 | <1.0 | <1.0 | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Apr-99 | <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-98 | <1.0 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Apr-98 | <0.5 | < 0.5 | <0.5 | <0.5 | | <0.5 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | <2.0 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-97 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | - | <0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | <1.0 | ND | NA | NA | NA | NA |
| Apr-97 | <0.5 | <0.5 | <0.5 | <0.5 | - | <0.5 | <0.5 | <0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-96 | <0.5 | <0.5 | <0.5 | <0.5 | - | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Apr-96 | <0.5 | <0.5 | 1 | 1 | < 0.5 | <0.5 | <0.5 | < 0.5 | <0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-95 | <1.0 | <1.0 | - 4 T | 1 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | ND | ND | ND | <1.0 | ND | <1.0 | ND | NA | NA | NA | NA |
| Oct-94 | < 0.5 | < 0.5 | - | I | <0.5 | <0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Apr-94 | < 0.5 | <0.5 | 1- | 1 | < 0.5 | <0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-93 | < 0.5 | < 0.5 | - | 1 | < 0.5 | <1.0 | < 0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Apr-93 | < 0.5 | <0.5 | - | - | < 0.5 | <1.0 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | NA | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-92 | <0.5 | < 0.5 | - | 1 | < 0.5 | <1.0 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | < 0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Apr-92 | < 0.5 | < 0.5 | - | 1 | < 0.5 | <0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jan-92 | <0.5 | < 0.5 | - | 1 | < 0.5 | <0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-91 | <0.5 | < 0.5 | - | - | <0.5 | <0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jul-91 | <0.5 | <0.5 | - | 1 | <0.5 | <0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Apr-91 | <0.5 | <0.5 | - | 1 | <0.5 | <0.5 | <0.5 | < 0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jan-91 | <0.5 | <0.5 | - | 1 | < 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Oct-90 | <0.5 | < 0.5 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | < 0.5 | ND | ND | ND | <0.5 | ND | < 0.5 | ND | NA | NA | NA | NA |
| Jul-90 | <0.5 | <0.5 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Apr-90 | <0.5 | <0.5 | - | - | <0.5 | <0.5 | <0.5 | < 0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Jan-90 | <0.5 | <0.5 | - | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND | ND | ND | <0.5 | ND | <0.5 | ND | NA | NA | NA | NA |
| Oct-89 | <0.5 | <0.5 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | ND | ND | <0.5 | ND | <0.5 | - | - | - | - | - |
| Aug-89 | <1.0 | <1.0 | - | - | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | - | ND | ND | <1.0 | ND | <1.0 | 4 | - | - | 1 | - |
| May-89 | <0.5 | <0.5 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 4 | ND | ND | <0.5 | ND | <0.5 | - | - | 7-11 | 2 - | - |
| Feb-89 | <0.5 | <0.5 | - | \ - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | - | ND | ND | <0.5 | ND | <0.5 | - | - | - | 2 + | - |
| Nov-88 | <0.5 | <0.5 | - | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | ND | ND | <0.5 | ND | <0.5 | - | - | - | - | - |
| Aug-88 | <0.5 | <0.5 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 4 | ND | ND | <0.5 | ND | <0.5 | - | - | - | 2 - | - |
| May-88 | <0.5 | 0.6 | - | \ | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <u> </u> | ND | ND | <0.5 | ND | <0.5 | - | - | | - | - |
| Jan-88 | <0.5 | <0.5 | - | \—\(\) | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | - A | ND | ND | <0.5 | ND | <0.5 | 2 | - | - | - | - |
| Oct-87 | <0.5 | <0.5 2.3 | - | - | <0.5 <0.5 | <0.5 | <0.5 <0.5 | <0.5 | <0.5 | 040 | ND | ND ND | <0.5 | ND ND | <0.5 |) + 2 81 | - | -1. | 2 2 | - |
| Sep-86 | <0.5 <0.5 | <0.5 | - | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 <0.5 | | ND | ND ND | <0.5 | ND ND | <0.5 | | | -1.1 | | - |
| Jul-86 | | | - | - | | | | | | - | ND | | | | | 201 | - | -1 | - | - |
| Apr-86 | <0.5 | <0.5 <0.5 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | - | ND | ND | <0.5 | ND | <0.5 | - | - | -1 | - | - |
| Jan-86 | <0.5 | | - | \—\ | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 9 - | ND | ND | NA 55 | ND | <0.5 | - | - | -1 | - | - |
| Oct-85 | <0.5 | 1.1 | - | \ - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | - | ND | ND ND | < 0.5 | ND ND | <0.5 | - | - | Y-11 | - | - |
| Dec-84 | <0.5 | <0.5 | - | - | <0.5 | NA | C.U2 | NA | NA | - | ND | ND | C.U.> | ND | NA | | - | | - | |

Drinking water standards are Maximum Contaminant Levels (MCLs) as established by the California Department of Health Services, or if no California MCLs have been established, then USEPA MCLs were used.

- = Data reported as total 1,2-DCE prior to 1996.
- A = Data not previously reported due to low levels. < = Not detected at the detection limit shown.

- + = Data provided by AMD.

 ** = Well resampled in July 1998 due to potential labeling error.
- B = Compound was found in the blank and sample.
- NA = Not Analyzed
- ND = Not Detected NE = Not Established

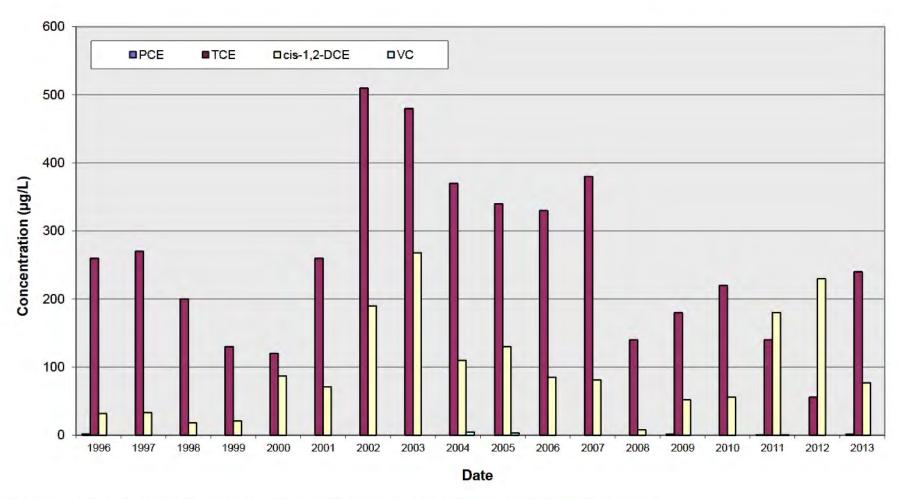
- µg/L = microgram per liter Water Board = California Regional Water Quality Control Board -San Francisco Bay Region
- (1) Initial results of 268 µg/L for cis-1,2-DCE was higher than standard of 200 µg/L. When rerun with dilution of 50, the result was <250 µg/L. Initial result reported in table.

- 1,1,1-TCA = 1,1,1-trichloroethane
- 1,1-DCA = 1,1-dichloroethane
- 1,1-DCE = 1,1-dichloroethene 1,2-DCB = 1,2-dichlorobenzene
- 1,2-DCE = 1,2-dichloroethene
- BEN = Benzene
- BFM = Bromoform
- CBN = Chlorobenzene
- CDM = Chlorodibromomethane
- EBN = Ethylbenzene
- Freon 11 = Trichlorofluoromethane Freon 12 = Dichlorodifluoromethane
- Freon 113 = 1,1,2-trichloro-1,2,2-trifluoroethane
- PCE = Tetrachloroethene
- TCE = Trichloroethene
- TOL = Toluene VC = Vinyl Chloride
- XYL = Total Xylenes

APPENDIX D

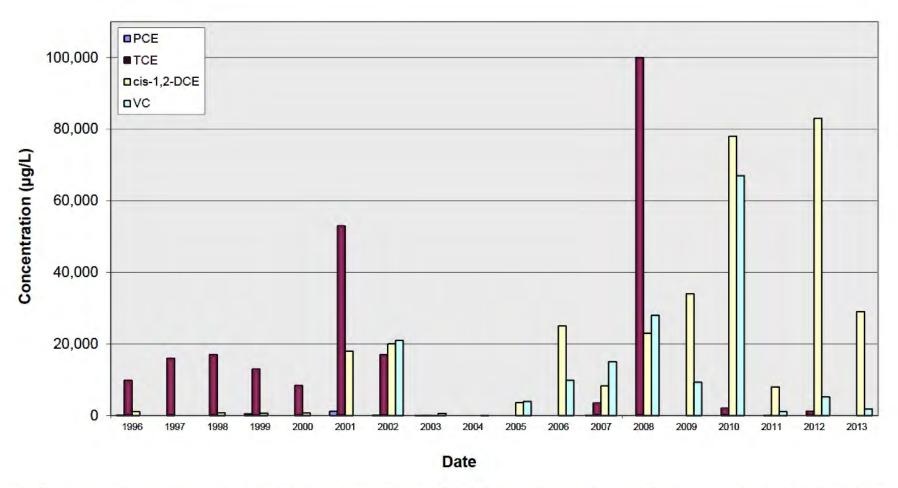
CHLORINATED ETHENE CONCENTRATION TREND PLOTS FOR SELECTED WELLS

Chlorinated Ethene Concentration Trend Plot for Well T-7A



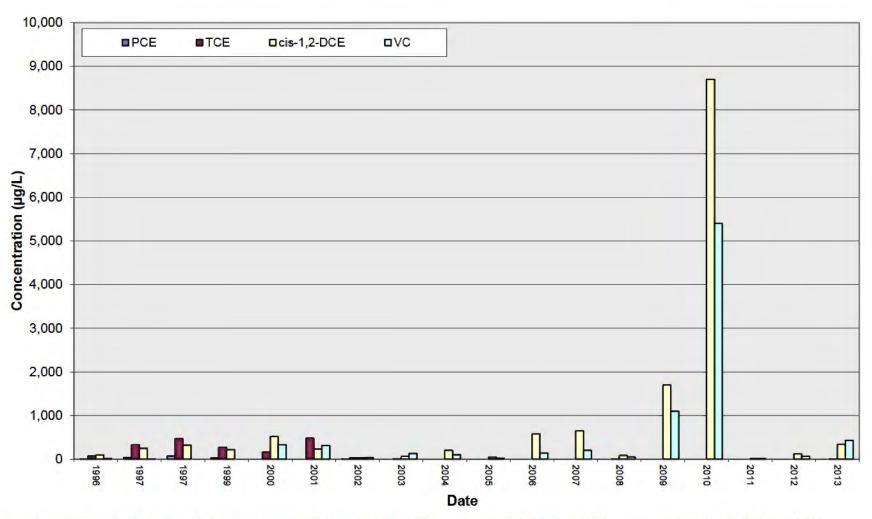
Note: Suspension of groundwater extraction at wells Eductor, T-2A, T-8A, and T-9A occurred on April 6, 2001. Enhanced anaerobic bioremediaiton program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Eductor Well



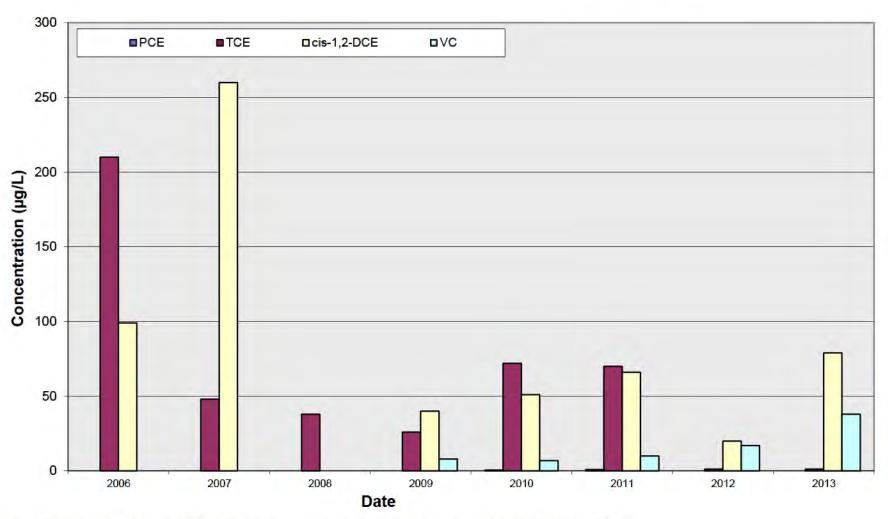
Note: Suspension of groundwater extraction at well occurred on April 6, 2001. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-2A



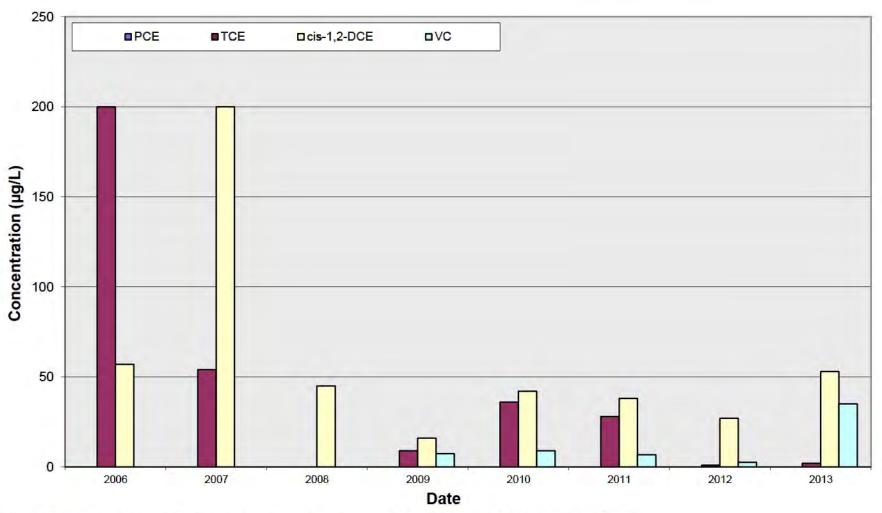
Note: Suspension of groundwater extraction occurrend on April 6, 2001. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-13A



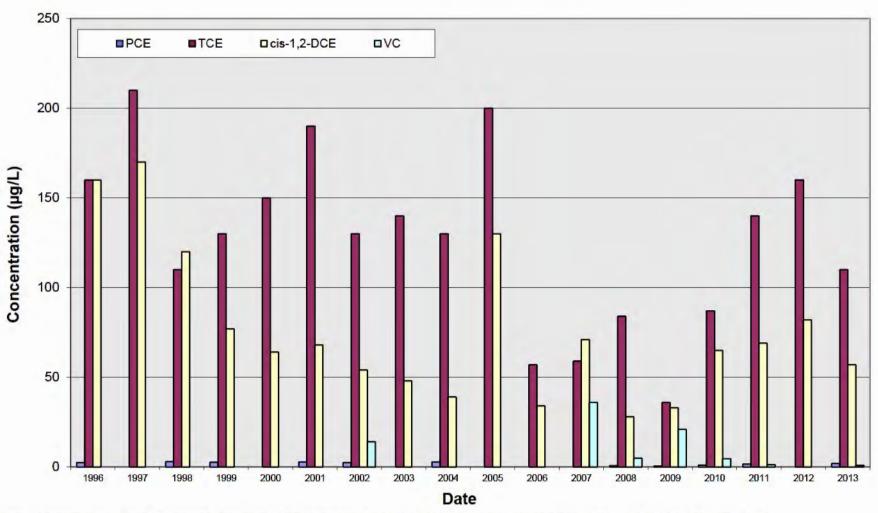
Note: Well installed in August 2005. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-14A



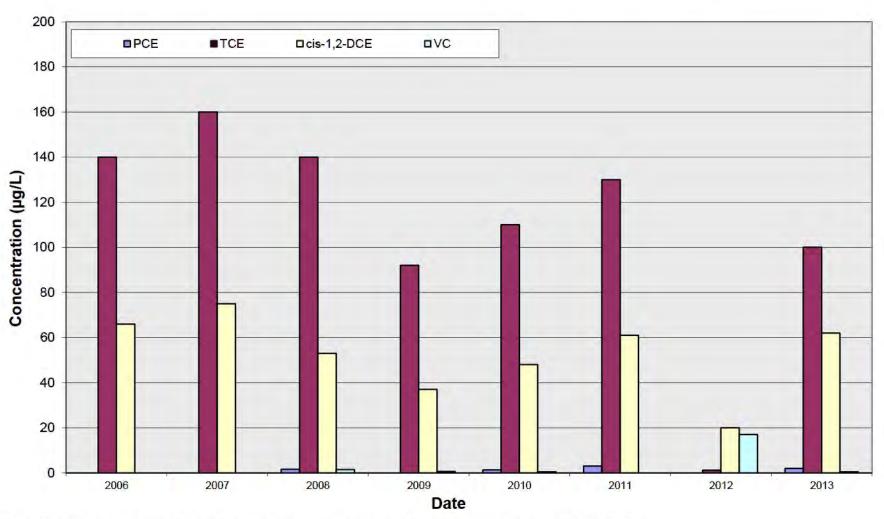
Note: Well installed in August 2005. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-8A



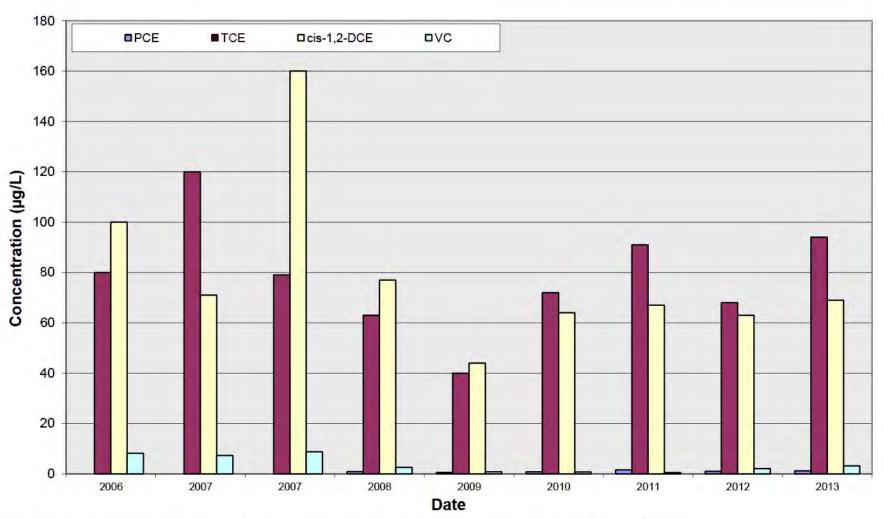
Note: Suspension of groundwater extraction occurred on April 6, 2001. Enhanced bioremediation program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-15A



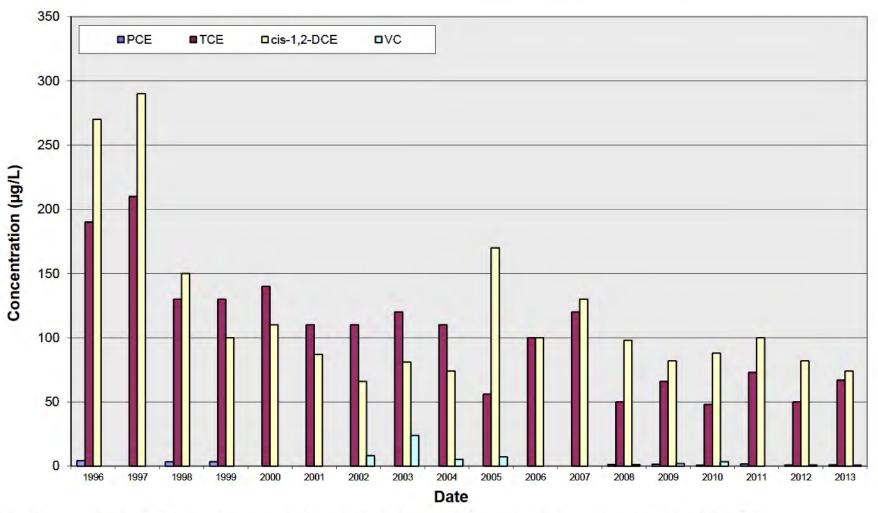
.Note: Well installed in August 2005. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-16A



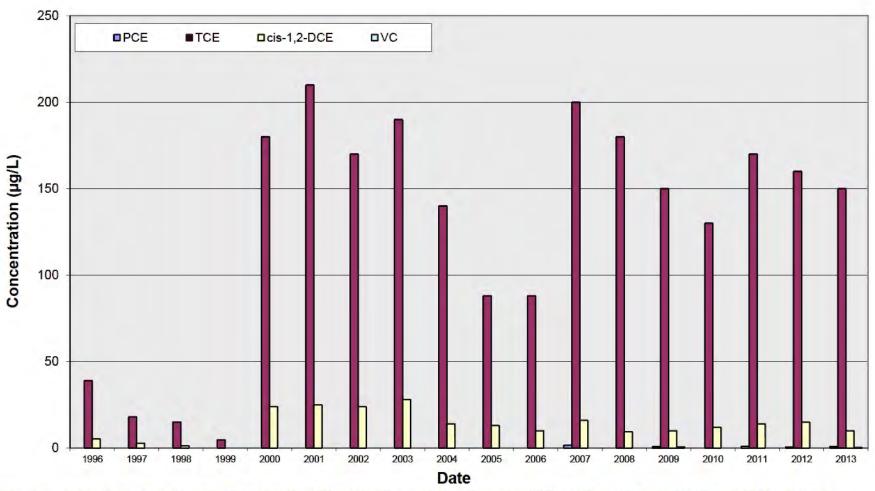
Note: Well installed in August 2005. Enhanced anaerobic reductive dechlorination program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-9A



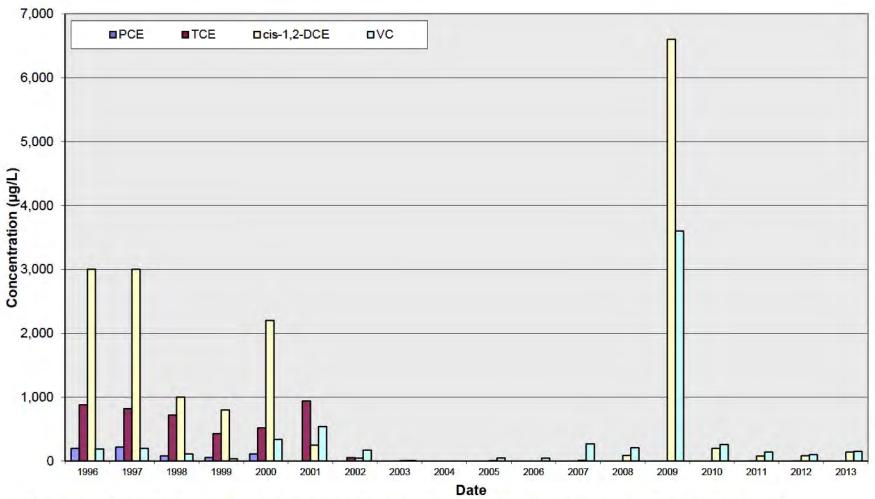
Note: Suspension of groundwater extraction occurred on April 6, 2001. Enhanced bioremediation program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-7B



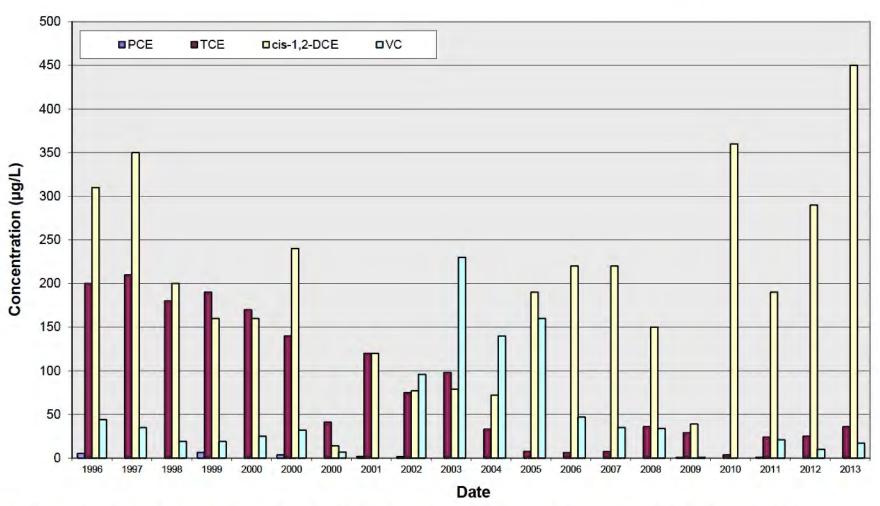
Note: Suspension of groundwater extraction at wells T-2B and T-8B occurred on August 1, 2000. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-2B



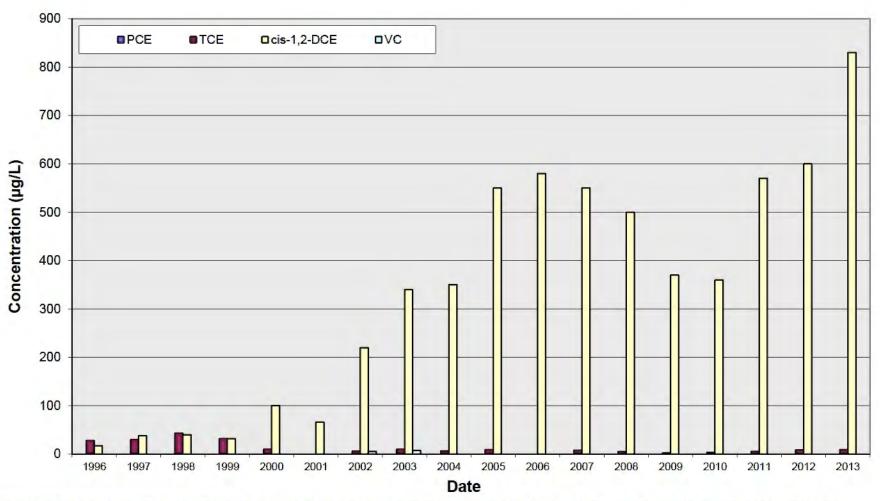
Note: Suspension of groundwater extraction on August 1, 2000. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-8B



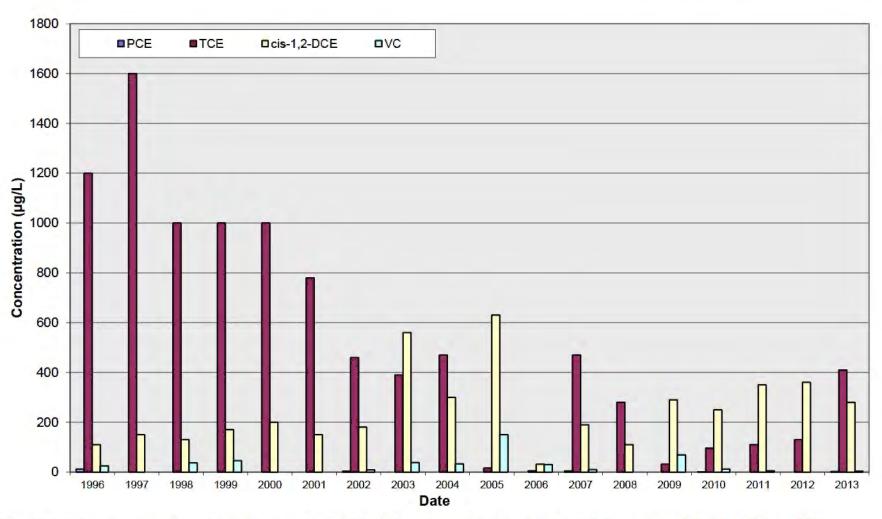
Note: Suspension of groundwater extraction on August 1, 2000. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-4B



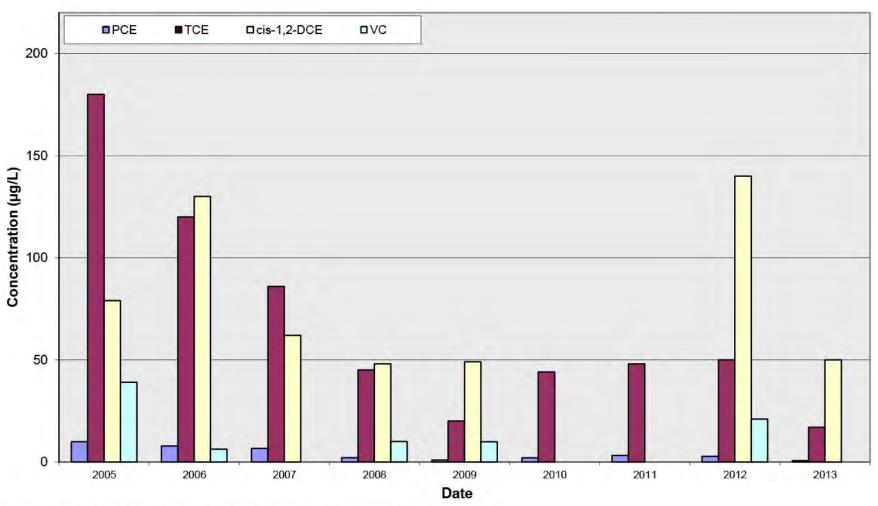
Note: Suspension of groundwater extraction at wells T-2B and T-8B occurred on August 1, 2000. Enhanced anaerobic bioremediation program inititated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-9B



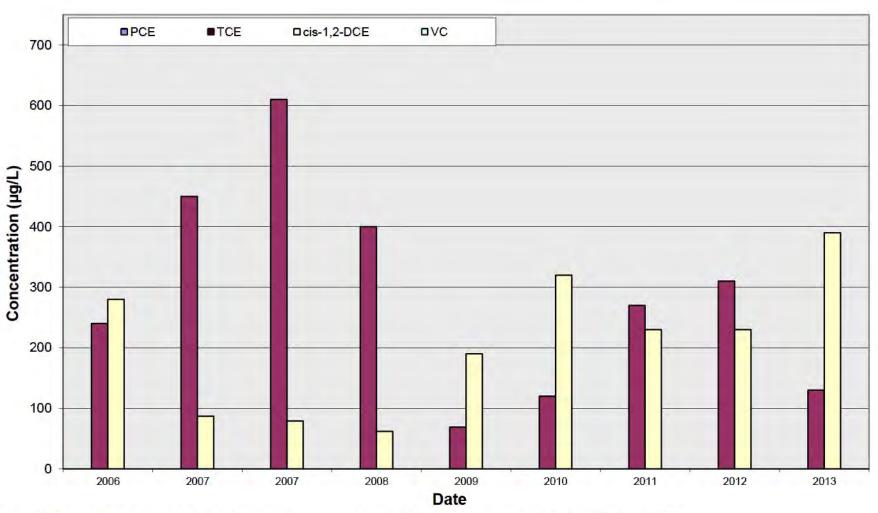
Note: Suspension of groundwater extraction occurred on April 6, 2001. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Concentration Trend Plot for Well T-10B



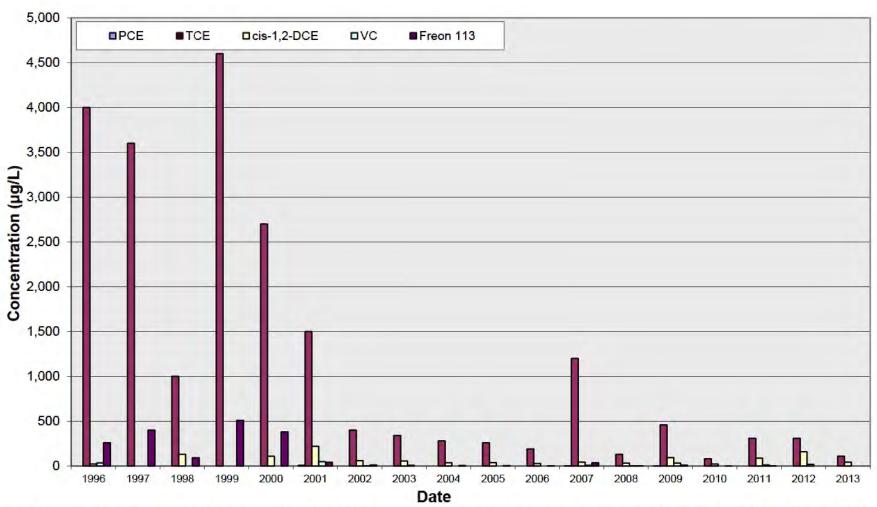
.Note: Enhanced anaerobic reductive dechlorination program initiated in October 2000

Chlorinated Ethene Concentration Trend Plot for Well T-17B



.Note: Well installed in August 2005. Enhanced anaerobic reductive dechlorination program initiated in October 2000

Chlorinated Ethene Concentration Trend Plot for Well T-2C

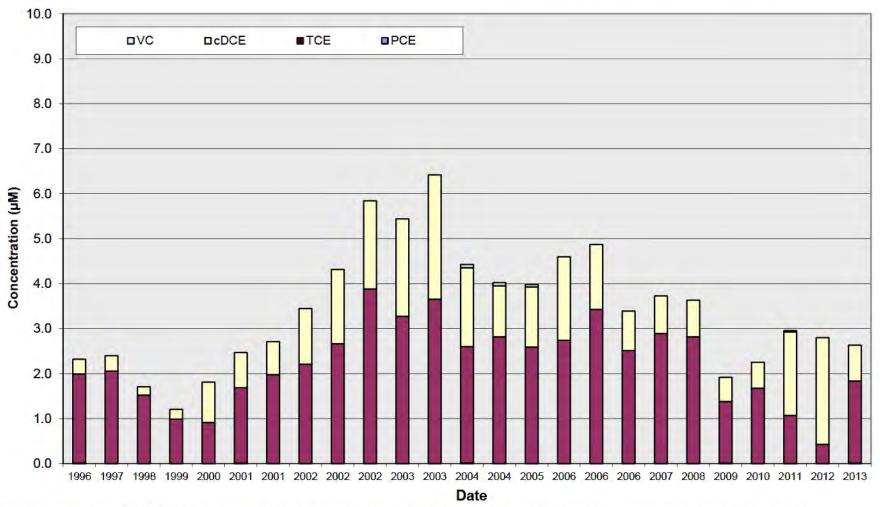


Note: Suspension of groundwater extraction occurred on November 1, 2000. Enhanced anaerobic bioremediation program initiated in October 2000.

APPENDIX E

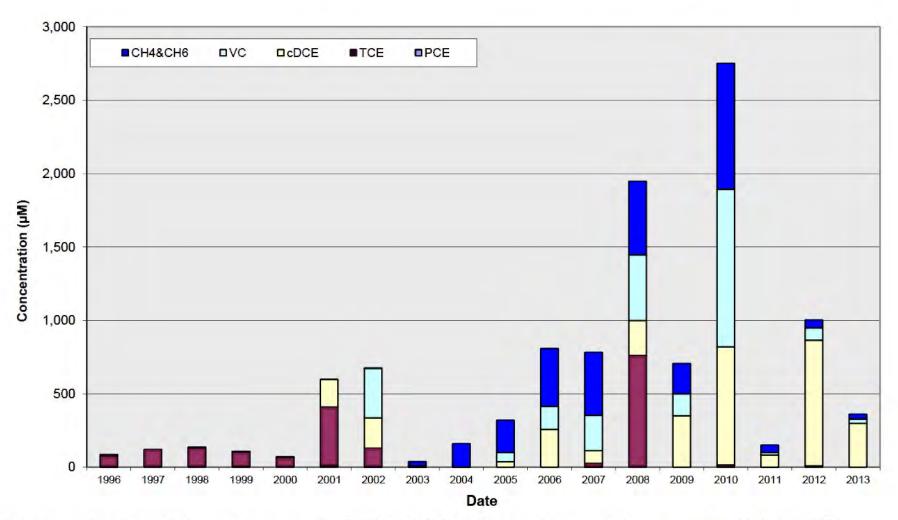
CHLORINATED ETHENE MOLAR CONCENTRATION TREND PLOTS FOR EAB WELLS

Chlorinated Ethene Molar Concentration Trend Plot for Well T-7A



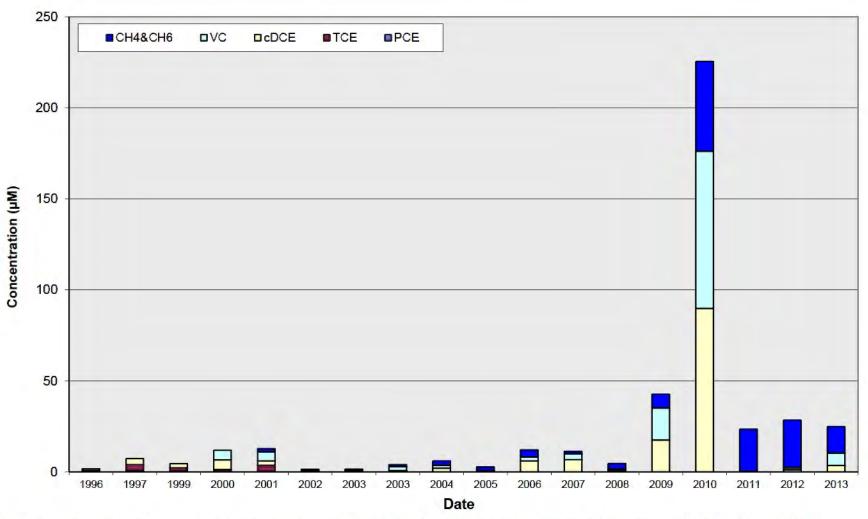
Note: Suspension of groundwater extraction at Eductor occurred on April 6, 2001. Enhanced anaerobic bioremediation program initiated in .October 2000

Chlorinated Ethene Molar Concentration Trend Plot for Eductor Well



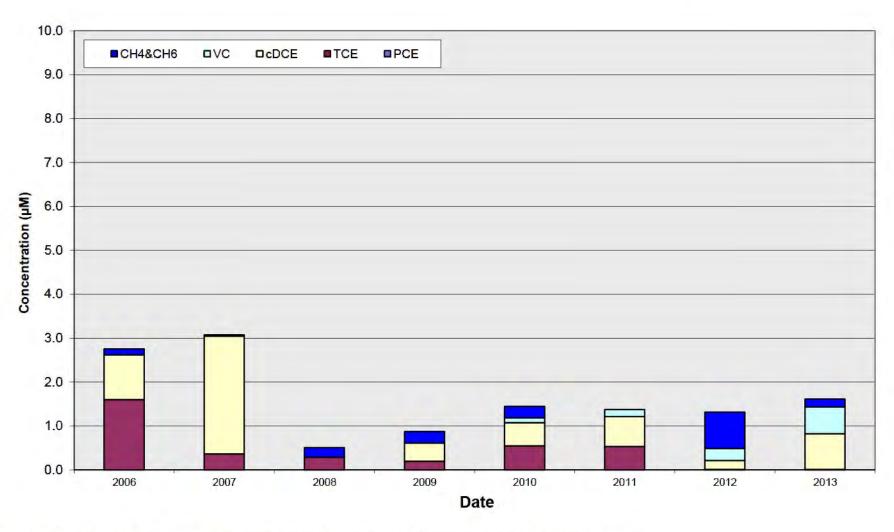
Note: Suspension of groundwater extraction occurred on April 6, 2001. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-2A



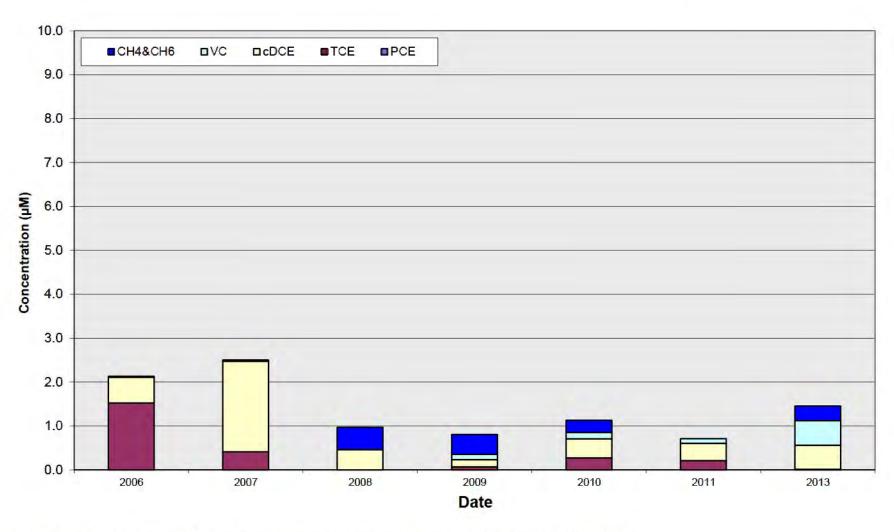
Note: Suspension of groundwater extraction occurred on April 6, 2001. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-13A



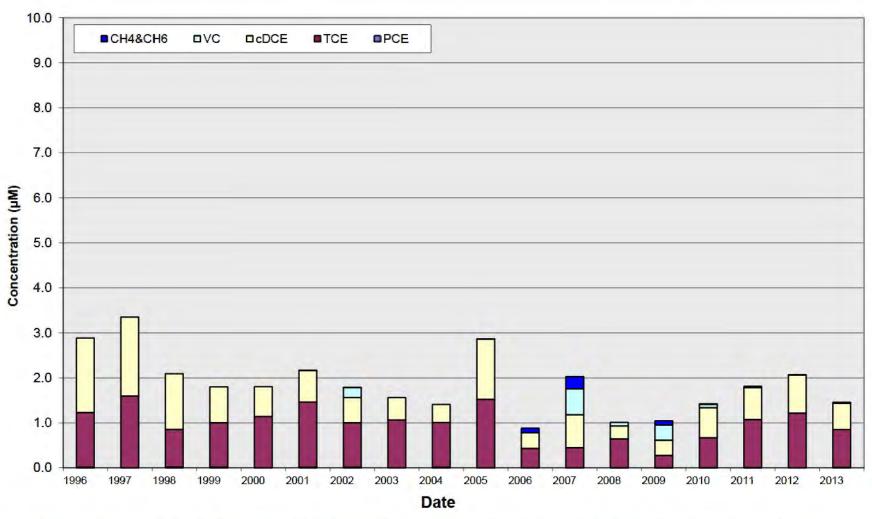
Note: Well installed in August 2005. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-14A



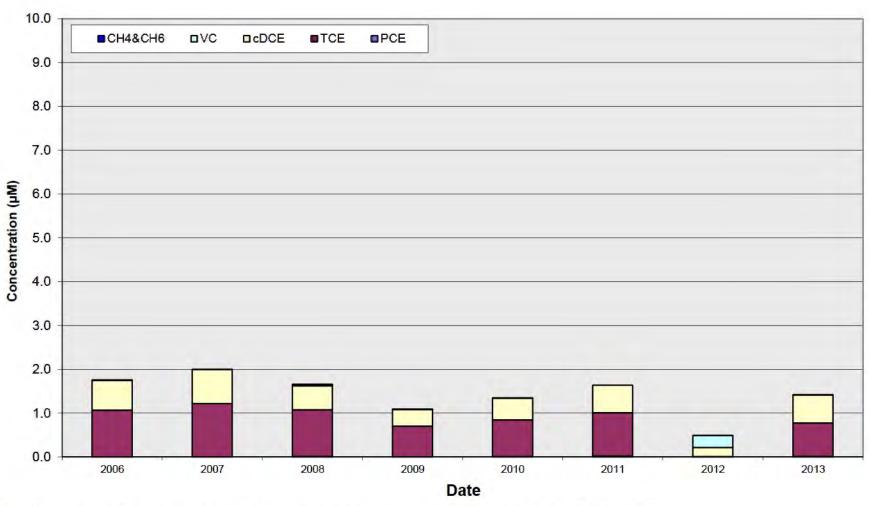
Note: Well installed in August 2005. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-8A



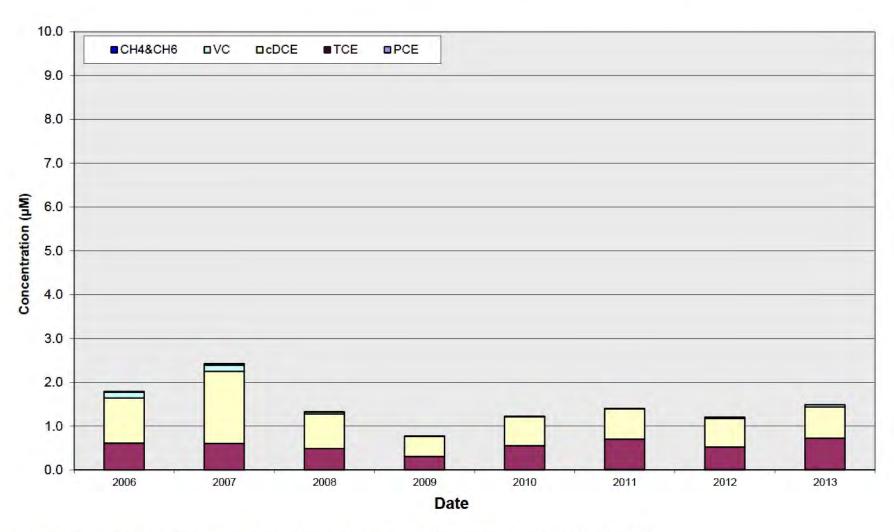
Note: Suspension of groundwater extraction occurred on April 6, 2001. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-15A



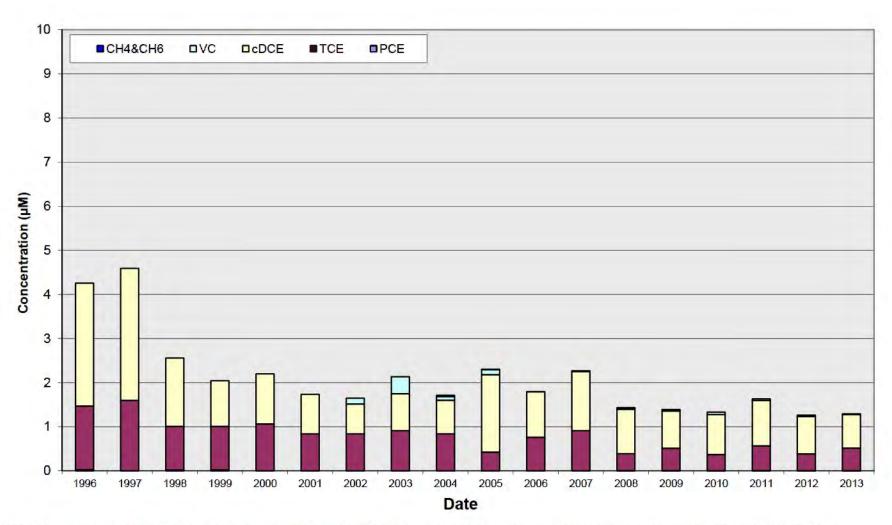
Note: Well was installed in August 2005. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-16A



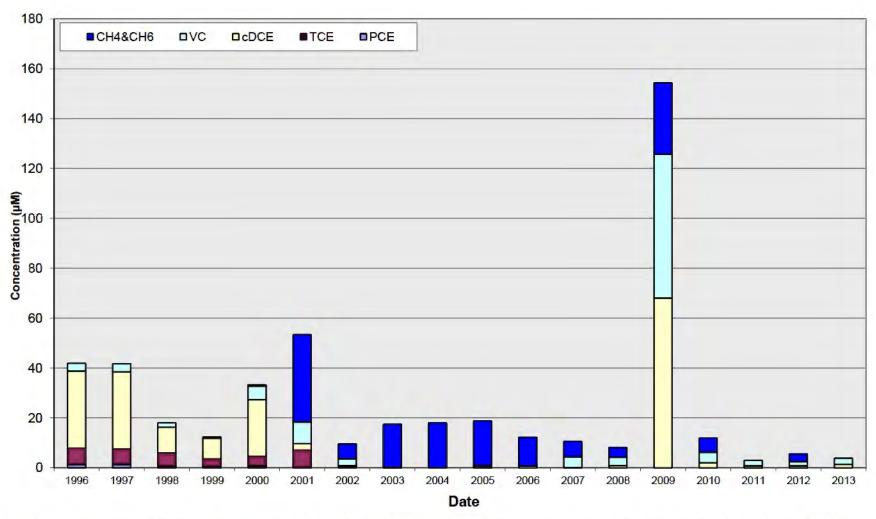
Note: Well was installed in August 2005. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-9A



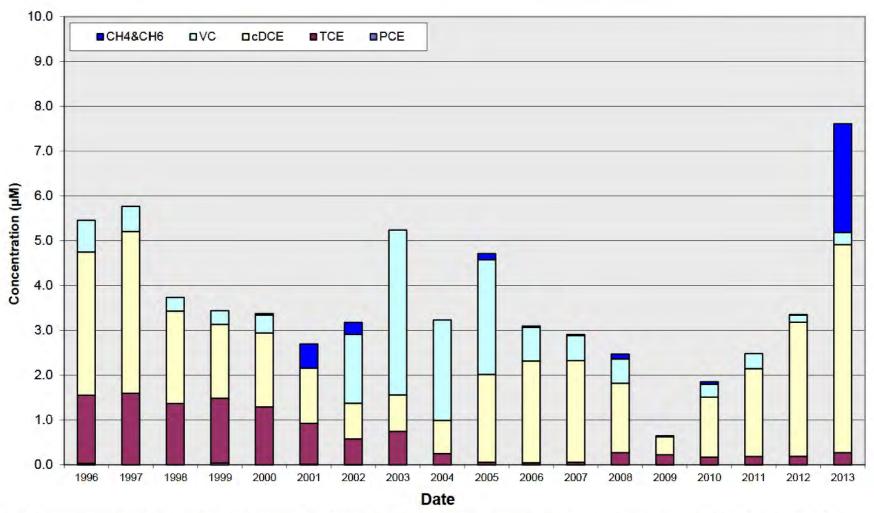
Note: Suspension of groundwater extraction occurred on April 6, 2001. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-2B



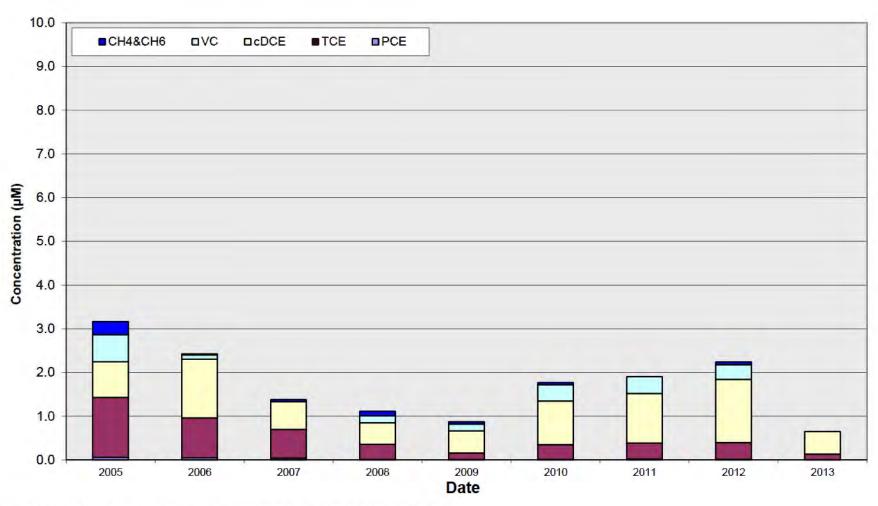
Note: Suspension of groundwater extraction occurred on August 1, 2000. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-8B



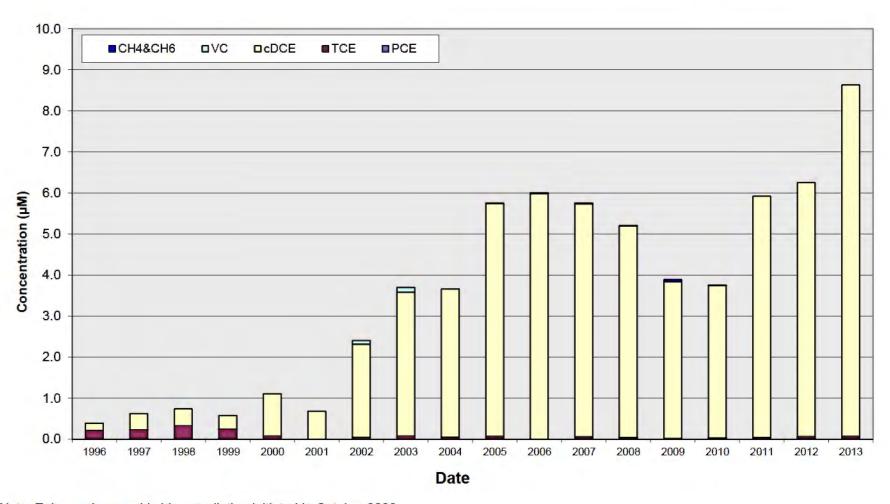
Note: Suspension of groundwater extraction occurred on August 1, 2000. Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-10B



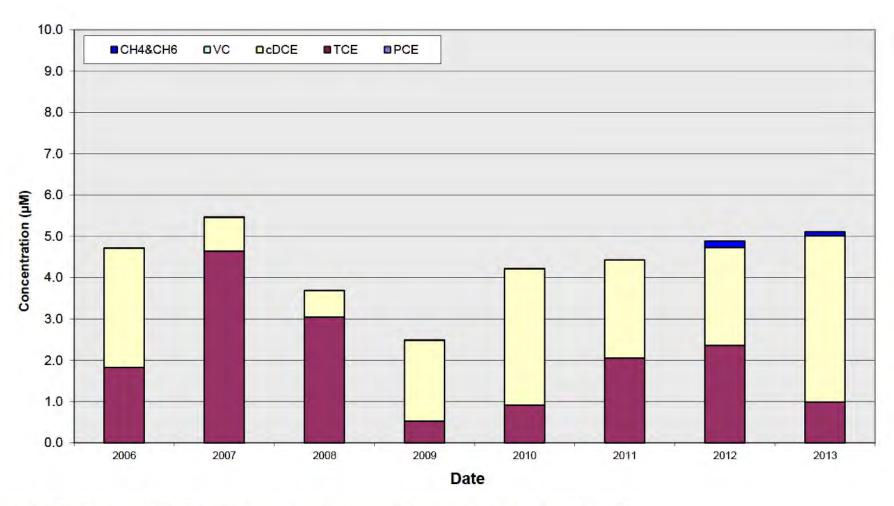
Note: Enhanced anaerobic bioremediation program initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-4B



Note: Enhanced anaerobic bioremediation initiated in October 2000.

Chlorinated Ethene Molar Concentration Trend Plot for Well T-17B



Note: Well installed in August 2005. Enhanced anaerobic bioremediation program initiated in October 2000.

APPENDIX F

SUMMARY OF TCE MASS REMOVAL FROM SOIL VAPOR EXTRACTION SYSTEM

Appendix F

Summary of Volume and Mass TCE Removal from Soil Vapor Extraction System Former TRW Microwave Site 825 Stewart Drive, Sunnyvale, California

| TCE Mass Removed in 1993 (lbs) | 41 | |
|--------------------------------|-----|--|
| TCE Mass Removed in 1994 (lbs) | 46 | |
| TCE Mass Removed in 1995 (lbs) | 18 | |
| TCE Mass Removed in 1996 (lbs) | 17 | |
| Total TCE Mass Removed (lbs) | 121 | |

Notes:

TCE - trichloroethene

lbs - pounds

System started on July 14, 1993 and terminated on July 8, 1996.

TCE mass calculated by Weiss Associates and summarized in: CDM, 1998b. Presentation to Water Board regarding Request for Closure of the SVE system and Vadose Zone, Former TRW Microwave, Sunnyvale, California. August 25, 1998.

APPENDIX G

SUMMARY OF TCE MASS REMOVAL FROM GROUNDWATER EXTRACTION SYSTEM

Appendix G

Summary of Volume and Mass TCE Removal from Groundwater Extraction System Former TRW Microwave Site 825 Stewart Drive, Sunnyvale, California

| | | | | Individual Ex | traction Well |) | | | All |
|--|---------|---------|------------|---------------|---------------|------------|------------|-----------|-------------|
| | T-2A | T-2B | T-2C | T-8A | T8-B | T-9A | T-9B | EDUCTOR | Wells |
| | | | | | | I | | | |
| Volume Extracted 1985 - 1990 (gallons) | 84,756 | 453,392 | 17,526,861 | 5,706,811 | 2,137,067 | 3,261,751 | 11,260,059 | 828,582 | 41,259,279 |
| TCE Mass Removed 1985 -1990 (lbs) | 3.1 | 29 | 521 | 46 | 18 | 52 | 869 | 56 | 1,594 |
| Volume Extracted 1991 - 1995 (gallons) | 17,624 | 212,991 | 13,461,406 | 4,758,235 | 1,262,514 | 1,675,792 | 17,918,977 | 75,779 | 39,383,318 |
| TCE Mass Removed 1991 - 1995 (lbs) | 0.12 | 6 | 468 | 11 | 4.0 | 4.7 | 470 | 11 | 975 |
| Volume Extracted 1996 - 2001 (gallons) | 62,342 | 230,968 | 12,184,939 | 4,123,684 | 1,625,185 | 7,023,778 | 8,473,551 | 651,891 | 34,376,338 |
| TCE Mass Removed 1996 - 2001 (lbs) | 0.14 | 1.4 | 320 | 6.4 | 2.5 | 8.1 | 77 | 62 | 478 |
| | 404700 | 007.054 | 40 470 000 | 44 500 700 | F 004 700 | 44 004 004 | 07.050.507 | 4.550.050 | 445.040.005 |
| Total Volume Extracted (gallons) | 164,722 | 897,351 | 43,173,206 | 14,588,730 | 5,024,766 | 11,961,321 | 37,652,587 | 1,556,252 | 115,018,935 |
| Total TCE Mass Removed (lbs) | 3.3 | 36 | 1,309 | 63 | 25 | 65 | 1,417 | 129 | 3,047 |

Notes:

TCE = trichloroethene

lbs = pounds

System Started in late 1995 and temporarily suspended since April 2001

TCE mass calculated by Weiss Associates and CDM and summarized in: CDM, 2001c. Five-Year Status and Effectiveness Evaluation Report for the Former TRW Microwave Site. September, 2001.

Page 1 of 1 4/17/2009

APPENDIX H

SUMMARY OF EAB PERFORMANCE MONITORING ANALYTICAL DATA

| Well | Date | Temperature | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | Oxidation-Reduction Potential (mV) | Dissolved Hydrogen (nM) | Alkalinity (mg/L as CaCO3) | Total Organic Carbon (mg/L) |
|------|--------|-------------|------------|-------------------------|--------------------|--|-------------------------------|-------------------------------|-----------------------------------|
| | | | | Z | one A Aqui | fer Wells | | | |
| 36D | Apr-04 | 21.0 | | | | -299 | _ | - 1 | |
| | Apr-03 | | | | - | -263 | <u> </u> | | |
| | Nov-99 | 21.4 | LU-U | | 1.5 | 151 | _ | _ | |
| 38S | Oct-13 | 21.4 | 6.65 | 1.435 | 3 | 5.8 | | | <1 |
| . 77 | May-13 | 22.8 | 7.01 | 1.286 | 32.8 | -75 | , | | 1.3 |
| (| Oct-12 | 22.57 | 6.69 | 1.27 | 5.30 | -19.1 | _ | _ | <1.0 |
| | Apr-12 | 18.96 | 6.94 | 1.26 | - | -139 | _ | | 1.1 |
| | Oct-11 | 21.80 | 6.92 | 1.366 | 1.2 | 140.6 | _ | _ | |
| | Oct-10 | 22.01 | 6.93 | 9.507 | 1.5 | 44.0 | _ | _ | - |
| | Oct-09 | 20.25 | | 1 - 1 <u>-</u> 1 - 1 | 1 0-0 | 149 | | _ | |
| | Oct-08 | 21.5 | - | | - I | 17 | | | - |
| T-7A | Oct-13 | 22.5 | 6.6 | 1.38 | 1 | 50.2 | | | |
| | Oct-12 | 20.88 | 7.01 | 1.472 | 0.0 | 69.1 | | | <1.0 |
| 1.0 | Oct-11 | 20.54 | 6.91 | 1.535 | 0.0 | 222.0 | | | |
| | Oct-10 | 20.81 | 6.88 | 4.900 | 0.0 | 170.0 | _ | | - |
| (| Oct-09 | 21.40 | 7.01 | 1.70 | 30.8 | 115 | | | - |
| | Oct-08 | 21.9 | - 1 | | | 237 | _ | - | - |
| | Oct-07 | 21.3 | 7.34 | 0.16 | 202 | - | | - | _ |
| | May-07 | 21.1 | - | <u> </u> | | 85 | | - | _ |
| | Jan-07 | 18.2 | 6.25 | 1.67 | | 168 | _ | - | |
| | Apr-04 | 18.9 | - | | | 151 | | - | |
| | Jun-01 | 18.9 | 1 | | | 197 | 3.00 | 410 | <5.0 |
| | Oct-99 | 20.5 | _ | T - 1 | | 202 | 1.65 | 500 | 2.3 |

| Well | Date | Temperature | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | Oxidation-Reduction Potential (mV) | Dissolved Hydrogen (nM) | Alkalinity (mg/L as CaCO3) | Total Organic Carbon (mg/L) |
|-----------------|---------------------------|-------------|------------|-------------------------|--------------------|--|-------------------------------|-------------------------------|-----------------------------------|
| EDUCTOR | Oct-13 | 19.9 | 4.91 | 2.306 | 7 | 11.3 | | | 1,390 |
| | May-13 | 20.26 | 5.49 | 3.478 | 9.4 | -15.9 | | | 1,800 |
| | Oct-12 | 20.22 | 5.43 | 3.67 | 9.00 | -19 | _ | | 49 |
| | Apr-12 | 18.45 | 5.24 | 3.81 | | -26.6 | _ | | 2,200 |
| | Oct-11 | 20.40 | 5.48 | 3.806 | 4.0 | -81.7 | | 1,400 | 280 |
| 1 6 | May-11 | | 5.57 | - | | -67.0 | | 2,200 | 3,200 |
| 0.5 | Mar-11 | | | | | - (| _ | 2,700 | 3,600 |
| 11 | 11/15/2010 ^(a) | 19.79 | 6.25 | 2.47 | 362 | -292 | _ | 900 | 570 |
| | 10/21/2010 ^(b) | 18.94 | 7.24 | 2.213 | 391.4 | -124.4 | 1 | _ | 160.0 |
| | 10/13/2010 ^(c) | 19.81 | 5.99 | 4.413 | 7.1 | -82.8 | | 960 | 280.0 |
| _18 | Oct-09 | 20.68 | - | _ | | -136 | | | 6.2 |
| Y 6 | Oct-08 | 20.5 | _ | | | -220 | | | - |
| | Oct-07 | 20.0 | | | | -151 | | | 18 |
| 8 | Apr-07 | 19.3 | 6.43 | 0.23 | 51.2 | -133 | | | 18 |
| | Oct-06 | 20.5 | _ | | | -162 | _ | _ | 15 |
| | Apr-06 | 19.3 | _ | _ | | -254 | _ | _ | 26 |
| | Jan-06 | 19.8 | _ | | | -144 | | 1 | 330 |
| 1 1 1 1 1 1 1 1 | Oct-05 | 20.5 | | | | -211 | | _ | 26 |
| 18 | Sep-05 | 20.7 | - | _ | | - | _ | _ | |
| l l bai | Jul-05 | 19.9 | _ | 1 | | -115 | | _ | 61 |
| 1 6 | Apr-05 | 18.9 | - | _ | - | -178 | _ | _ | 55 |
| | Jan-05 | 19.2 | _ | _ | | -239 | _ | - | 14 |
| | Oct-04 | 20.7 | | | | -220 | Ī | 1,800 | 25 |
| 1 8 | Apr-04 | 19.0 | 6.45 | 3.09 | 33 | -247 | | 1,600 | 46 |
| 9 | Jan-04 | 18.8 | | | | -260 | | 1,200 | 16 |
| | Oct-03 | 20.1 | | | | -236 | _ | 2,100 | 200 |
| 100 | Jul-03 | 19.0 | 6.32 | 1.44 | 11 | -87 | _ | 6,200 | 8,000 |
| H 64 (| Apr-03 | 18.7 | - | | | -400 | _ | 2,200 | 1,700 |
| | Jan-03 | 18.9 | 1.4 | 1 | 1 | -77 | - | 2,200 | 2,800 |
| 1 4.6 | Oct-02 | 19.6 | 5.69 | 5.52 | 1 | 5 | 120 | 6,200 | 3,700 |
| | Jul-02 | 19.2 | | | 1 7 | -160 | 2,800 | 2,900 | 1,800 |
| 1 7 6 | Mar-02 | 19.7 | _ | | 2-2- | -32 | 480 | 3,300 | 5,900 |
| 1.0 | Jan-02 | 19.0 | _ | | | -37 | 2,100 | 770 | 21,000 |
| 1 7 | Nov-01 | 19.5 | _ | | | -66 | 3,000 | 2,300 | 8,000 |
| | Oct-01 | 21.2 | 4.85 | 5.22 | 147 | -20 | 4,000 | 690 | 24,000 |
| | Aug-01 | 21.0 | 4.92 | 4.17 | 22 | -125 | 56,000 | 1,000 | 5,900 |
| | Jun-01 | 19.6 | 6.93 | 1.44 | 0 | -162 | 3.20 | 590 | 10 |
| // | Mar-01 | 18.9 | 7.06 | 1.46 | 20 | -300 | 1 | | - |
| | Jan-01 | 24.4 | 7.01 | 1.45 | 4 | -73 | | | |
| | Nov-99 | 21.3 | 7.02 | 1.46 | 0 | 200 | 0.96 | 470 | <2.0 |

| Well | Date | Temperature | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | Oxidation-Reduction Potential (mV) | Dissolved Hydrogen (nM) | | Total Organic Carbon (mg/L) |
|-------|---------------------------|---------------|------------|-------------------------|--------------------|--|-------------------------------|-------------------|-----------------------------------|
| T-2A | Oct-13 | 19.8 | 6.36 | 1.877 | 2 | -117.5 | (TIN) | (IIIg/L as cacos) | 5.9 |
| 1-2/1 | May-13 | 20.34 | 7.31 | 2.283 | 57.9 | -137 | | | 8.1 |
| | May-13 Dup | 20.34 | 7.31 | 2.283 | 57.9 | -137 | | | 7.7 |
| | Oct-12 | 20.03 | 6.73 | 2.25 | 2.1 | -123.2 | | _ | 6.5 |
| | Apr-12 | 18.66 | 6.73 | 1.96 | Z. I | -87.9 | | _ | 7.6 |
| | Oct-11 | 20.16 | 6.65 | 2.339 | 2.2 | -145.6 | | 1,100 | 4.8 |
| | May-11 | 20.10 | | | | -145.0 | | 960 | 28 |
| | Mar-11 | 3 | _ | _ | | | _ | 860 | 180 |
| | 11/15/2010 ^(a) | | 6.73 | 0.82 | 225 | -303 | | 790 | 120 |
| | | 19.9 | | | | C 1/ | | | |
| | 10/20/2010 ^(b) | 19.91 | 6.65 | 1.655 | 773,4 | -55.7 | | - | 340 |
| | 10/12/2010 ^(c) | 20.19 | 6.66 | 2.006 | 0.0 | -88.5 | | 980 | 4.8 |
| | Oct-09 | 20.64 | 6.81 | 2.50 | 4.3 | -76 | _ | | 3.1 J |
| | Oct-08 | 20.7 | 7.02 | 0.19 | 48.6 | -58 | _ | - | - 8. |
| | Oct-07 | 20.7 | 6.49 | 2.41 | 8.6 | -144 | _ | - 1 | |
| | Apr-07 | 19.4 | 6.18 | 0.00 | 131 | -60 | _ | 1.44 | -8, |
| | Oct-06 | 19.6 | 7.72 | 2.12 | 202 | -155 | I | - | |
| | Apr-06 | 19.5 | 6.86 | 1.82 | 580 | -101 | I | _ | |
| | Jan-06 | 20.0 | 6.78 | 0.26 | 13 | -175 | 1 | _ | |
| | Oct-05 | 20.7 | 7.06 | 2.03 | 410 | -199 | _ | - | 22 |
| | Jul-05 | 20.2 | 6.41 | 2.62 | 44 | -139 | <u> </u> | - | 24 |
| | Apr-05 | 19.1 | 6.67 | 2.20 | 235 | -99 |) - | - | 32 |
| | Jan-05 | 19.2 | 6.74 | 2.58 | 16 | -199 | _ | - | 7.0 |
| | Oct-04 | 20.7 | 6.51 | 2.82 | - | -116 | - | 1,500 | 16 |
| | Apr-04 | 19.3 | 6.54 | 2.37 | 7 | -213 | 1- | 1,400 | 17 |
| | Jan-04 | 19.3 | 6.32 | 2.33 | 0 | -242 | _ | 1,100 | 12 |
| | Oct-03 | 20.2 | 6.79 | 2.53 | 21 | -118 | _ | 1,400 | 13 |
| | Jul-03 | 19.2 | 7.11 | 2.51 | 35 | -129 | - | 1,600 | 17 |
| | Apr-03 | 18.9 | 6.65 | 2.39 | 0 | -387 | 1 <u>-</u> | 1,200 | 28 |
| | Jan-03 | 18.6 | 6.82 | 2.68 | 5 | -122 | - | 1,700 | 45 |
| | Oct-02 | 19.6 | 6.48 | 3.79 | 53 | -112 | 8 | 2,700 | 840 |
| | Jul-02 | 19.2 | 6.40 | 4.23 | | -150 | 27 | 2,000 | 360 |
| | Apr-02 | 19.3 | 6.53 | 3.13 | 48 | -150 | 5.2 | 2,400 | 490 |
| | Jan-02 | / <u>(U</u> _ | - | _ | 721 | 122 | 1 | _ | <u>-4</u> |
| | Nov-01 | 19.8 | 6.62 | 2.43 | 67 | -85 | 11 | 1,200 | 1,100 |
| | Oct-01 | 20.9 | 6.27 | 2.80 | 19 | -103 | 15 | 1,700 | 460 |
| | Aug-01 | 21.1 | 6.24 | 2.78 | 1 | -127 | 29 | 330 | 410 |
| | Jun-01 | 19.7 | 6.71 | 2.21 | 9 | -121 | 12 | 1,900 | 1,600 |
| | Mar-01 | 18.3 | 6.39 | 2.33 | 105 | -221 | 580 | 820 | 150 |
| | Jan-01 | 19.0 | 6.11 | 1.91 | 25 | -324 | 190 | 840 | 410 |
| | Nov-99 | 21.0 | 6.77 | 1.49 | 0 | 181 | 22.8 | 500 | 4.1 |
| T-3A | Oct-13 | 20 | 6.71 | 1.303 | 1 | 134.9 | | | H |
| | Oct-12 | 20.66 | 6.90 | 1.45 | 0.0 | 122.3 | _ | _ | |
| | Oct-11 | 20.39 | 6.93 | 1.67 | 0.2 | 222.3 | _ | -1 | |
| | Oct-10 | 20.10 | 6.90 | 5.50 | 0.0 | 80.2 | ı | - | 44 |
| | Oct-09 | 20.10 | 7.44 | 1.68 | 5 | 1.67 | _ | _ | |
| | Oct-08 | 21.5 | 7.47 | 0.13 | 0 | 214 | Ţ | _ | |

| Well | Date | Temperature | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | Oxidation-Reduction Potential (mV) | Dissolved Hydrogen (nM) | Alkalinity (mg/L as CaCO3) | Total Organic Carbon (mg/L) |
|------|--------|-------------|------------|-------------------------|--------------------|--|-------------------------------|-------------------------------|-----------------------------------|
| T-8A | Oct-13 | 19.6 | 6.63 | 1.313 | 2 | 190.6 | | | <1 |
| | May-13 | 22.48 | 6.59 | 1.431 | 26.8 | 63 | | | 1.2 |
| | Oct-12 | 21.24 | 6.89 | 1.41 | 0 | 69 | _ | | <1.0 |
| | Apr-12 | 19.73 | 6.86 | 1.362 | y-1 | 12.8 | _ | | 0.66 J |
| | Oct-11 | 20.50 | 6.87 | 1.538 | 0.2 | 192.4 | | _ | <1.0 |
| | Oct-10 | 20.40 | 6.85 | 1.546 | 0.0 | 33.1 | _ | _ | <1.0 |
| 16 | Apr-10 | 18.98 | 6.97 | 1.32 | 24.5 | -33 | _ | _ | <5.0 |
| | Oct-09 | 23.1 | 6.71 | 1.69 | 9.8 | -69 | _ | | <5.0 |
| | Feb-09 | 18.5 | 7.31 | 1.61 | 2.3 | -69 | _ | <u> </u> | - |
| - 0 | Oct-08 | 21.8 | 6.98 | 1.87 | | -240 | - | | |
| - (| Oct-07 | 22.2 | 7.03 | 0.16 | 8.1 | -300 | _ | _ | <5.0 |
| | Apr-07 | 21.3 | 6.73 | 1.55 | 21.9 | 19 | _ | - | <5.0 |
| 10 | Jan-07 | 19.4 | 6.33 | 1.60 | | 21 | _ | | <5.0 |
| | Oct-06 | 22.3 | 6.52 | 0.15 | 10 | -101 | _ | | <5.0 |
| | Jul-06 | 22.4 | 6.59 | 0.16 | 12 | 8 | _ | _ | <5.0 |
| | Apr-06 | 19.1 | 6.69 | 1.37 | 13 | -389 | _ | _ | <5.0 |
| - 6 | Jan-06 | 19.2 | 6.99 | 0.15 | 10 | -176 | _ | _ | <5.0 |
| | Oct-05 | 22.1 | 6.55 | 1.61 | 0 | -100 | _ | | <5.0 |
| | Jul-05 | 21.4 | 6.68 | 1.35 | | 79 | _ | 470 | 6.9 |
| | Apr-05 | 20.0 | 6.98 | 1.44 | 849 | 77 | _ | - | |
| | Oct-04 | 21.5 | 6.28 | 1.45 | | -138 | | - | |
| | | 19.8 | 6.75 | 1.45 | 0 | 92 | _ | 480 | |
| | Apr-04 | | | | | 170 | | | - |
| | Jan-04 | 19.6 | 6.50 | 1.46 | 0 | | | 420 | |
| | Oct-03 | 20.8 | 6.92 | 1.44 | 5 | 109 | _ | - | |
| | Jul-03 | 20.4 | 7.18 | 1.46 | 0 | 86 | _ | - | - |
| | Apr-03 | 18.9 | 6.86 | 1.46 | 0 | 58 | _ | - | - |
| | Jan-03 | 18.9 | 6.89 | 1.40 | 0 | 143 | - | | |
| | Oct-02 | 20.5 | 6.93 | 1.33 | 11 | 67 | 11 | 480 | <5.0 |
| | Jul-02 | 20.5 | 6.22 | 2.00 | | 316 | 13 | 450 | <5.0 |
| 1.5 | Mar-02 | 19.3 | 7.01 | 1.69 | 9 | 59 | 7.9 | 440 | <5.0 |
| 1.5 | Jan-02 | 18.9 | 6.77 | 1.35 | 6 | 73.5 | 1.1 | 510 | <5.0 |
| - (| Nov-01 | 20.0 | 6.96 | 1.31 | 4 | -116 | 220 | 450 | <5.0 |
| - 6 | Oct-01 | 21.0 | 6.35 | 1.40 | 10 | 77 | 3.90 | 470 | 6.4 |
| 4,5 | Aug-01 | 20.1 | 6.71 | 1.45 | 0 | 140 | 1.10 | 560 | <5.0 |
| 15 | Jun-01 | 21.5 | 6.86 | 1.49 | 0 | 141 | 3.20 | 510 | <5.0 |
| | Mar-01 | 18.9 | 7.00 | 1.44 | 151 | 17 | | - | - |
| | Jan-01 | 18.8 | 6.57 | 1.44 | 11 | -311 | | - 1 | - |
| | Oct-99 | 21.5 | 5.78 | 1.44 | 1 | 124 | 1.36 | 510 | 2.2 |
| T-9A | Oct-13 | 22.1 | 6.59 | 1.315 | 1 | 96.8 | | | |
| | Oct-12 | 22.03 | 6.84 | 1.415 | 0.0 | -77.1 | | _ | 0.055 J |
| 100 | Oct-11 | 21.53 | 6.81 | 1.506 | 0.0 | 234.0 | | | |
| 1 7 | Oct-10 | 22.68 | 6.84 | 1.547 | 0.0 | 35.9 | | | |
| 1 | Oct-09 | 21.89 | 6.59 | 1.66 | 2 | 49 | | | _ |
| 1.0 | Oct-08 | 22.9 | 6.7 | 215 | | -131 | _ | _ | |
| | Oct-07 | 22.6 | 6.59 | 2.18 | 13 | 140 | - | | - |
| | May-07 | 20.7 | 6.82 | 1.56 | -2 | 6.7 | - | | _ |
| | Jan-07 | 20.2 | 6.36 | 1.57 | | 92 | _ | _ | |
| | Oct-06 | 21.6 | 6.60 | 1.50 | 66 | 145 | | _ | |
| | Jul-06 | 20.6 | 6.74 | 0.15 | 113 | 69 | | | |
| 3 | | 19.9 | 6.60 | 1.39 | 70.1 | -221 | _ | _ | - |
| | Apr-06 | | | | | | _ | _ | |
| | Jan-06 | 21.0 | 6.99 | 1.28 | 108 | 25 | _ | | -E 0 |
| 9 | Oct-05 | 22.5 | 6.91 | 1.46 | 724 | 88 | · - | - | <5.0 |
| | Jul-05 | 20.8 | 6.37 | 1.34 | | 126 | _ | 470 | 11 |
| | Apr-05 | 19.6 | 6.96 | 1.28 | 467 | 48 | _ | _ | - |
| . (| Jan-05 | 20.7 | 6.92 | 1.36 | 503 | 65 | _ | - | - |
| 716 | Oct-04 | 23.1 | 6.80 | 1.49 | 0 | 119 | _ | - , -1 | |
| | Apr-04 | 19.2 | 6.75 | 1.65 | 7 | 144 | | 490 | |
| | Jan-04 | 20.0 | 6.54 | 1.40 | 0 | 194 | - | 420 | |

| Well | Date | Temperature | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | Oxidation-Reduction Potential (mV) | Dissolved Hydrogen (nM) | Alkalinity (mg/L as CaCO3) | Total Organi Carbon (mg/L) |
|-------|------------|-------------|------------|-------------------------|--------------------|--|-------------------------------|-------------------------------|----------------------------------|
| T-13A | Oct-13 | 20.6 | 6.85 | 1.418 | 52 | -79.1 | 3-3-3-3 | | 1.2 |
| | May-13 | 20.41 | 7.02 | 1.412 | 55.1 | -133 | _ | | 2.4 |
| | May-13 Dup | 20.41 | 7.02 | 1.412 | 55.1 | -133 | _ | _ | 3.2 |
| | Oct-12 | 20.4 | 6.60 | 1.48 | 3.4 | -105.6 | _ | _ | 6.6 |
| | Apr-12 | 18.9 | 6.41 | 1.55 | - | -113 | | | 14 |
| | Oct-11 | 19.60 | 6.79 | 1.524 | 0.0 | -23 | | - | 1.0 |
| | Oct-10 | 19.24 | 6.75 | 1.538 | 0.0 | -119 | _ | - | 1.0 |
| | Apr-10 | 18.57 | 6.77 | 1.47 | 23.4 | -108 | _ | | 0.8 J |
| | Oct-09 | 20.28 | 6.53 | 1.77 | 1.8 | -110 | _ | - | 2.3 J |
| | Feb-09 | 19.02 | 7.09 | 1.93 | 65.2 | -102 | _ | - | - |
| | Oct-08 | 20.4 | 7.15 | 0.32 | 325 | -181 | | - | 37 |
| | Oct-07 | 20.5 | 6.10 | 2.24 | 259 | -152 | - | | 410 |
| | Jul-07 | 20.4 | 6.70 | 0.13 | 9.9 | 236 | _ | - | <5.0 |
| | Apr-07 | 20.2 | 6.38 | 1.69 | | 145 |); | - | <5.0 |
| | Jan-07 | 20.4 | 6.39 | 1.72 | | 65 | | | <5.0 |
| | Oct-06 | 20.6 | 5.86 | 0.17 | 10 | 188 | _ | - | <5.0 |
| | Jul-06 | 20.8 | 6.23 | 0.15 | 5 | 199 | _ | | <5.0 |
| | Apr-06 | 20.0 | 6.98 | 0.72 | 38 | 111 | _ | | <5.0 |
| | Jan-06 | 20.2 | 6.97 | 0.16 | 0 | 244 | | - | <5.0 |
| | Nov-05 | 21.0 | 6.43 | 1.48 | 0 | 248 | _ | 510 | 6.5 |
| T-14A | Oct-13 | 18.2 | 6.67 | 1.232 | 4 | -109.9 | - | | <1 |
| | May-13 | 20.10 | 7.21 | 1.393 | 31.2 | -151 | _ | | 1.6 |
| | Oct-12 | 20.51 | 6.63 | 1.36 | 3.9 | -79.8 | _ | | |
| | Apr-12 | 17.8 | 6.71 | 1.41 | | -117 | _ | _ | 6.6 |
| | Oct-11 | 20.03 | 6.77 | 1.455 | 0.9 | 91 | _ | _ | 1.2 |
| | Oct-10 | 19.99 | 6.87 | 4.450 | 4.7 | -170 | <u>-</u> | _ | 1.2 |
| | Apr-10 | 18.36 | 6.80 | 1.51 | 252.0 | -110 | _ | | 1.3 J |
| | Oct-09 | 20.65 | 7.43 | 1.72 | 41.8 | -154 | _ | - | 8.0 |
| | Feb-09 | 18.82 | 7.14 | 1.40 | 50.2 | -89 | _ | - | - |
| | Oct-08 | 21.0 | 6.66 | 243 | - | -466 | - | | 22 |
| | Oct-07 | 20.9 | 6.01 | 2.03 | 71.5 | -163 | | | 430 |
| | Jul-07 | 21.1 | 6.87 | 0.13 | 9.4 | 141 | _ | | <5.0 |
| | Apr-07 | 24.6 | 6.45 | 1.46 | _ | 124 | - | - | <5.0 |
| | Oct-06 | 20.5 | 6.71 | 0.15 | 10 | 51 | _ | - | <5.0 |
| | Apr-06 | 20.2 | 6.91 | 1.51 | 44 | 80 | _ | - | <5.0 |
| | Jan-06 | 19.1 | 6.92 | 0.16 | 0 | 150 | _ | A | <5.0 |
| | Nov-05 | 20.6 | 6.37 | 1.44 | 36 | 242 | | 490 | 5.4 |

| Well | Date | Temperature | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | Oxidation-Reduction Potential (mV) | Dissolved Hydrogen (nM) | Alkalinity (mg/L as CaCO3) | Total Organio Carbon (mg/L) |
|---------|--------|-------------|------------|-------------------------|--------------------|--|-------------------------------|-------------------------------|-----------------------------------|
| T-15A | Oct-13 | 21.4 | 6.55 | 1.282 | 4 | 170.9 | | _ | |
| | May-13 | 22.05 | 6.47 | 1.444 | 101 | 114 | | | 1.3 |
| 12.00 | Oct-12 | 22.0 | 6.47 | 1.37 | 0 | 6.47 | | _ | 1.6 |
| 10 | Apr-12 | 19.8 | 6.81 | 1.34 | | 94 | _ | _ | 0.98 J |
| | Oct-10 | 21.27 | 6.84 | 1.489 | 0.0 | 63 | | _ | |
| | Oct-09 | 21.27 | 6.64 | 1.61 | 27.9 | 34 | _ | _ | <5.0 |
| - 7 | Oct-08 | 22.6 | 7.22 | 0.18 | 24.9 | 64 | _ | | <5.0 |
| | Oct-07 | 22.3 | 6.62 | 2.03 | 205 | 15 | _ | | <5.0 |
| 18 | Jul-07 | 22.2 | 7.16 | 0.13 | 27.4 | 135 | | _ | <5.0 |
| 1 8 | May-07 | 19.9 | 6.89 | 0.12 | 504 | 60 | | | <5.0 |
| | Jan-07 | 20.1 | 6.37 | 1.64 | | 69 | | _ | <5.0 |
| - 0 | Oct-06 | 21.4 | 6.77 | 0.15 | 10 | -15 | - <u>-</u> | | <5.0 |
| | Jul-06 | 22.3 | 6.64 | 0.15 | 215 | -23 | | | <5.0 |
| - 7 | Apr-06 | 20.3 | 7.02 | 0.90 | 466 | -104 | <u> </u> | | <5.0 |
| - 2 | Jan-06 | 20.3 | 7.00 | 0.16 | 54 | -188 | _ | _ | <5.0 |
| 2 2 | Nov-05 | 21.5 | 6.44 | 1.46 | 90 | -125 | _ | 580 | <5.0 |
| T-16A | Oct-13 | 21 | 6.58 | 1.275 | 26 | 149.2 | _ | | |
| 1.1.1.1 | Oct-12 | 22.02 | 6.71 | 1.38 | 0.1 | 115.5 | | _ | |
| | Oct-11 | 21.35 | 6.80 | 1.48 | -0.7 | 274.7 | | _ | |
| 1 | Oct-10 | 21.26 | 6.82 | 3.00 | 3.1 | 139.7 | - | | |
| | Oct-09 | 22.7 | 6.24 | 1.72 | 6 | 15 | | I | <5.0 |
| - 4 | Oct-08 | 24.0 | 6.73 | 212 | | -135 | | - 1 | <5.0 |
| - 2 | Oct-07 | 21.8 | 7.06 | 0.15 | 567 | -34 | | | <5.0 |
| | May-07 | 20.5 | 6.86 | 0.99 | 78 | 51 | | | <5.0 |
| | Oct-06 | 22.3 | 6.87 | 0.15 | 526 | -57 | _ | _ | <5.0 |
| | Apr-06 | 20.3 | 7.03 | 1.43 | 582 | -105 | _ | | <5.0 |
| | Jan-06 | 20.7 | 6.96 | 1.42 | 224 | -107 | | | <5.0 |
| | Nov-05 | 22.0 | 6.41 | 1.48 | 15 | -101 | | 590 | 7.6 |
| T-17A | Oct-13 | 20.4 | 6.79 | 1.231 | 2 | -30.5 | _ | _ | <1 |
| | May-13 | 20.79 | 6.46 | 1.308 | 38.1 | 170 | _ | _ | 1.1 |
| | Oct-12 | 21.1 | 6.87 | 1.31 | 4.9 | 147.6 | | | <1.0 |
| | Apr-12 | 18.2 | 6.91 | 1.20 | | 61.2 | | _ | 0.63 J |
| 7 | Nov-11 | 18.2 | 7.3 | _ | | -58 | | _ | 3 |
| | Nov-11 | 18.80 | 7.7 | | - | -25 | _ | _ | 0.71 J |
| T-19A | Oct-13 | 21.7 | 6.67 | 1.542 | 11 | -105.2 | | | 4.4 |
| | May-13 | 19.07 | 7.09 | 1.519 | 30.1 | -159 | _ | _ | 5.4 |
| - A | Oct-12 | 21.14 | 6.59 | 2.04 | 11 | -136.4 | _ | _ | 12 |
|) | Apr-12 | 16.83 | 6.56 | 2.06 | | -141 | _ | _ | 16 |
| 1 6 | Oct-11 | 21.15 | 6.88 | 1.33 | 0.6 | -133 | _ | _ | 5.5 |
| | Oct-10 | 19.98 | 6.81 | 4.45 | 0.0 | -120 | | | 5.5 |
| 17 | Apr-10 | 14.80 | 6.90 | 0.714 | 7.2 | -137 | _ | | 7.6 |
| 1 7 | Oct-09 | 22.67 | 6.84 | 1.80 | 2 | -120 | _ | _ | 5.1 |
| 1 | Feb-09 | 15.76 | 7.00 | 1.46 | 0.0 | -94 | _ | _ | |
| | Oct-08 | 22.4 | 6.49 | 498 | - | -344 | | | 24 |
| | Oct-07 | 22.0 | 5.47 | 6.13 | 404 | -136 | | _ | 3,500 |
| | Sep-07 | 20.9 | 7.04 | 1.56 | 146 | 36 | | - | <5.0 |

| Well | Date | Temperature | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | Oxidation-Reduction Potential (mV) | Dissolved Hydrogen (nM) | Alkalinity (mg/L as CaCO3) | Total Organio Carbon (mg/L) |
|-------|--------|-------------|------------|-------------------------|--------------------|--|-------------------------------|-------------------------------|-----------------------------------|
| T-23A | Oct-13 | 20.5 | 6.69 | 1.523 | 847 | -108 | 3-3-4- | | 3.6 |
| | May-13 | 20.28 | 7.06 | 1.484 | 51.5 | -147 | _ | | 3.3 |
| | Oct-12 | 19.8 | 6.61 | 1.49 | 18.9 | -91.9 | | _ | 6.8 |
| | Apr-12 | 18.0 | 6.49 | 1.71 | | -123 | _ | _ | 34 |
| | Oct-11 | 19.76 | 6.85 | 1.61 | 0.5 | -16 | · | - | 1.1 |
| 1 6 | Oct-10 | 19.12 | 6.79 | 1.57 | 0.0 | -82 | J | | 1.1 |
| 10 | Apr-10 | 17.15 | 6.70 | 1.51 | 34.5 | -144 | - | | 1.3 J |
| | Oct-09 | 20.02 | 7.60 | 1.79 | 6.1 | -141 | _ | | 15 |
| - 0 | Feb-09 | 18.8 | 7.13 | 1.73 | 32.5 | -89 | _ | | - |
| - 1 | Oct-08 | 20.1 | 6.73 | 0.423 | | -444 | 1 | - | 19 |
| | Oct-07 | 20.3 | 6.65 | 0.19 | 593 | -230 | - | | 190 |
| 2. 20 | Sep-07 | 20.6 | 7.12 | 1.46 | 163 | 105 | - | | <5.0 |
| T-25A | Oct-13 | 19.3 | 6.57 | 1.252 | 3 | -90.2 | _ | | <1 |
| | May-13 | 21.76 | 7.29 | 1.41 | 150 | -101 | _ | _ | 1.4 |
| 1 8 | Oct-12 | 20.86 | 6.54 | 1.37 | 1.1 | -81.2 | _ | _ | 1.5 |
| - 1 | Apr-12 | 19.1 | 6.76 | 1.31 | | -138.2 | _ | _ | 1.5 |
| 10 | Oct-11 | 20.33 | 6.74 | 1.46 | 1.4 | 299.5 | _ | _ | <1.0 |
| | Oct-10 | 20.06 | 6.87 | 6.54 | 12.1 | -24.6 | _ | | <1.0 |
| - 8 | Apr-10 | 18.11 | 6.80 | 1.57 | 107.0 | -87 | _ | _ | 0.8 J |
| - 2 | Oct-09 | 21.61 | 6.69 | 1.63 | 3.4 | -101 | _ | _ | <5.0 |
| | Feb-09 | 18.35 | 7.20 | 1.57 | 16.1 | -86 | _ | _ | |
| (1 | Oct-08 | 22.0 | 7.18 | 0.19 | 17.2 | -129 | | | <5.0 |
| | Oct-07 | 21.4 | 6.89 | 0.14 | 398 | -155 | | | 24 |
| - 4 | Sep-07 | 21.7 | 7.03 | 1.59 | 144 | 0.71 | | | <5.0 |
| | 15.5 | | | Zo | ne B1 Aqu | | | | |
| T-7B | Oct-13 | 20.4 | 6.83 | 1.024 | 3 | 111.4 | | | |
| 200 | Oct-12 | 20.79 | 7.02 | 1.09 | 1.1 | 131.1 | _ | _ | <1.0 |
| | Oct-11 | 21.03 | 7.15 | 1.08 | 9.6 | 66.7 | | _ | |
| - 2 | Oct-10 | 21.21 | 7.10 | 1.11 | 0.0 | 77.8 | _ | _ | - |
| | Oct-09 | 20.06 | 6.92 | 1.12 | 46.8 | 101 | _ | _ | |
| | Oct-08 | 19.7 | 7.67 | 0.111 | 6.7 | _ | | <u> </u> | · |
| | Aug-01 | 19.1 | 6.88 | 1.17 | 0 | 9 | 2.2 | 360 | 5.6 |
| | Jun-01 | 19.2 | 7.33 | 1.27 | 0 | 147 | 3.3 | 380 | 5.3 |
| | Apr-01 | 19.4 | 6.92 | 1.19 | 30 | -125 | 2.7 | 360 | <2.0 |
| | Feb-01 | 18.9 | 7.64 | 0.91 | - | -163 | 0.96 | 160 | 18 |
| | Dec-00 | 18.4 | 7.82 | 0.37 | 5 | -215 | 10 | 130 | 11 |
| 1 3 | Nov-00 | 17.4 | 6.31 | 0.33 | 1 | 158 | 2.6 | 88 | 43 |
| -) | Sep-00 | 19.9 | 6.60 | 1.16 | 2 | -230 | | 350 | 2.3 |
| | Oct-99 | 19.3 | 8.74 | 0.41 | 0 | 75 | 1.19 | 330 | 2.1 |

| | | Temperature | рН | Conductivity | - | | Dissolved Hydrogen | Alkalinity | Total Organic Carbon |
|------|---------------------------|-------------|------|--------------|-------|---------------------|-----------------------|-----------------|-------------------------|
| Well | Date | (°C) | (SU) | (mS/cm) | (NTU) | (mV) | (nM) | (mg/L as CaCO3) | (mg/L) |
| T-2B | Oct-13 | 19.3 | 6.49 | 1.449 | 2 | -125.8 | | | <1 |
| | May-13 | 20.68 | 7.18 | 1.501 | 123 | -111 | | | 1.5 |
| | Oct-12 | 20.08 | 6.95 | 1.49 | 0 | -119.7 | _ | _ | 0.11 J |
| | Apr-12 | 19.09 | 6.98 | 1.51 | | -105 | _ | _ | 1.2 |
| | Oct-11 | 19.92 | 6.88 | 1.57 | 0.1 | -131.5 | | 510 | <1.0 |
| | May-11 | | | | | | | 500 | 1.4 J |
| | 11/15/2010 ^(a) | 19.6 | 6.94 | 1.62 | 81.4 | -118 | _ | 540 | 27.0 |
| | 10/20/2010 ^(b) | 19.71 | 6.77 | 1.54 | 170.7 | -95 | - | _ | 57.0 |
| | 10/12/2010 ^(c) | 20.00 | 6.82 | 1.53 | 7.7 | - <mark>10</mark> 8 | 77.0 | 490 | <1.0 |
| | Oct-09 | 20.56 | 6.65 | 2.03 | 3.1 | -138 | 22% | 122 | _0 |
| | Oct-08 | 20.4 | 6.86 | | _ | -437 | -4 | | |
| | Oct-07 | 20.0 | 7.11 | 0.146 | 144 | -146 | 175 8 | | - 8 |
| | Apr-07 | 19.7 | 6.84 | 0.13 | 5.9 | -117 | | - | - 8 |
| | Oct-06 | 19.0 | 7.78 | 1.58 | 331 | -160 | _ | - | - |
| | Apr-06 | 20.0 | 6.99 | 1.56 | 58 | -127 | - | - | |
| | Jan-06 | 19.6 | 6.84 | 0.19 | 92 | -170 | - | - | |
| | Oct-05 | 20.1 | 7.19 | 1.68 | 11 | -90 | _ | _ | <5.0 |
| | Jul-05 | 20.1 | 6.54 | 1.83 | - | -152 | - | - | 20 |
| | Apr-05 | 19.7 | 6.77 | 1.96 | 20 | -146 | _ | - | 28 |
| | Jan-05 | 19.4 | 6.76 | 2.02 | 3 | -163 | _ | - | <1.0 |
| | Oct-04 | 20.7 | 6.54 | 2.34 | 0 | -175 | - | 1,200 | 6.0 |
| | Apr-04 | 19.3 | 6.62 | 2.31 | 3 | -191 | _ | 1,200 | 11 |
| | Jan-04 | 19.3 | 6.47 | 2.54 | 0 | -195 | _ | 1,200 | 6.0 |
| | Oct-03 | 20.0 | 6.76 | 2.60 | 20 | -149 | _ | 1,300 | 5.7 |
| | Jul-03 | 19.4 | 7.05 | 2.60 | 32 | -144 | _ | 1,600 | 8.2 |
| | Apr-03 | 19.1 | 6.73 | 2.61 | 10 | -148 | Į | 1,400 | 5.6 |
| | Jan-03 | 18.5 | 6.89 | 2.83 | 3 | -144 | _ | 1,700 | 13 |
| | Oct-02 | 19.8 | 6.79 | 2.98 | 286 | -140 | 5.3 | 2,100 | 140 |
| | Jul-02 | 19.6 | 6.55 | 2.79 | 1122 | -168 | 28 | 1,600 | 300 |
| | Apr-02 | 18.4 | 6.38 | 3.69 | 40 | -120 | 1.9 | 2,000 | 960 |
| | Jan-02 | 19.3 | 6.45 | 3.52 | 56 | -104 | 8.3 | 1,700 | 840 |
| | Oct-01 | 20.2 | 6.12 | 3.86 | 16 | -110 | 36 | 2,400 | 1,600 |
| | Aug-01 | 21.0 | 6.07 | 3.41 | 0 | -101 | 79 | 2,100 | 1,300 |
| | Jun-01 | 19.6 | 6.95 | 1.47 | 0 | -150 | 5.6 | 690 | 11 |
| | Apr-01 | 19.6 | 6.66 | 1.55 | 46 | -159 | 7.1 | 670 | 95 |
| | Feb-01 | 20.4 | 6.85 | 1.50 | - | -192 | 6 | 120 | 180 |
| | Dec-00 | 19.7 | 6.52 | 2.11 | 75 | -239 | 41 | 1,000 | 390 |
| | Nov-00 | 20.6 | 6.57 | 1.57 | 20 | -341 | 240 | 680 | 220 |
| | Oct-00 | 21.0 | 6.92 | 1.41 | 11 | -18 | 110 | 480 | <2.0 |
| | Nov-99 | 21.3 | 7.01 | 1.43 | 0 | -6 | 1.65 | 470 | 4.1 |
| T-5B | Oct-13 | 21.5 | 6.88 | 1.148 | 3 | 95.8 | | | 1 |
| | Oct-12 | 21.05 | 7.11 | 1.23 | 0.0 | 76.9 | _ | | |
| | Oct-11 | 22.57 | 7.18 | 1.21 | 3.9 | 83.5 | _ | |) *** |
| | Oct-10 | 21.33 | 7.11 | 1.24 | 0.0 | 107.1 | Ļ | - | F-1 |
| | Oct-09 | 20.73 | 7.11 | 1.26 | 0.5 | 50 | _ | - | - |
| | Oct-08 | 20.0 | 7.69 | 0.118 | 5.9 | _ | 4 | - | 7 |

| Well | Date | Temperature | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | Oxidation-Reduction Potential (mV) | Dissolved Hydrogen (nM) | Alkalinity (mg/L as CaCO3) | Total Organic Carbon (mg/L) |
|------|--------|-------------|------------|-------------------------|---------------------|--|-------------------------------|-------------------------------|-----------------------------------|
| T-8B | Oct-13 | 20.6 | 6.63 | 1.338 | 10 | -75.6 | () | (g | |
| | Oct-12 | 21.73 | 6.77 | 1.43 | 15.6 | -61.4 | _ | # | <1.0 |
| | Oct-11 | 20.13 | 6.90 | 1.52 | 9.0 | 59.4 | _ | - | - |
| | Oct-10 | 20.60 | 6.90 | 6.20 | 0.4 | -57.0 | | | |
| | Oct-09 | 24.31 | 6.42 | 1.55 | 41 | -64 | | | <5.0 |
| | Oct-08 | 22.0 | 6.78 | 199 | _ | -180 | -22 | TT. | 111 |
| | Oct-07 | 21.9 | 6.68 | 2.87 | 186 | -112 | 22) | 144 | <5.0 |
| | Apr-07 | 24.5 | 6.62 | 1.35 | 9 | -56 | | | <5.0 |
| | Jan-07 | 20.0 | 6.36 | 1.65 | - | -76 | - | _ | <5.0 |
| | Oct-06 | 20.7 | 6.75 | 1.38 | 217 | -158 | 11- | _ | <5.0 |
| | Jul-06 | 22.4 | 6.65 | 0.15 | 43 | -113 | - | - | <5.0 |
| | Apr-06 | 20.1 | 6.65 | 1.56 | 32 | -230 | _ | - | <5.0 |
| | Jan-06 | 19.6 | 6.95 | 1.35 | 93 | -114 | - | _ | 57. |
| | Oct-05 | 21.4 | 6.84 | 1.51 | 0 | -96 | _ | _ | <5.0 |
| | Jul-05 | 21.7 | 6.64 | 1.43 | 9 l a 14 | -59 | _ | 500 | 8.3 |
| | Apr-05 | 20.1 | 6.95 | 1.41 | 351 | -83 | _ | _ | |
| | Oct-04 | 23.2 | 6.15 | 1.50 | 36 | -161 | _ | - | |
| | Apr-04 | 21.6 | 6.83 | 1.40 | 15 | -23 |) - | _ | - |
| | Oct-03 | 20.5 | 6.94 | 1.50 | 14 | -30 | - | _ | |
| | Jul-03 | 20.2 | 7.48 | 1.51 | 26 | -40 | _ | - | |
| | Apr-03 | 19.6 | 6.90 | 1.16 | 9 | -83 | _ | _ | |
| | Jan-03 | 19.3 | 6.72 | 1.40 | 0 | -35 | - | _ | |
| | Oct-02 | 20.4 | 6.91 | 1.41 | 143 | -72 | 6.1 | 550 | <5.0 |
| | Jul-02 | 20.0 | 6.39 | 2.00 | | 322 | 2000 | 500 | <5.0 |
| | Mar-02 | 19.6 | 6.97 | 1.46 | 24 | 20 | 23 | 500 | <5.0 |
| | Jan-02 | 18.8 | 6.79 | 1.48 | 18 | -75 | 33 | 590 | <5.0 |
| | Oct-01 | 21.5 | 6.09 | 1.39 | 22 | 77 | 11 | 510 | <5.0 |
| | Aug-01 | 20.4 | 6.64 | 1.43 | 0 | -101 | 16 | 550 | 6.3 |
| | Jun-01 | 22.8 | 6.81 | 1.59 | 0 | -42 | 3.5 | 480 | <5.0 |
| | Apr-01 | 20.0 | 6.64 | 1.58 | 40 | -133 | 140 | 610 | 3.6 |
| | Feb-01 | 19.4 | 7.02 | 1.34 | - | -186 | 11 | 74 | <2.0 |
| | Dec-00 | 19.8 | 7.02 | 1.59 | 7 | -306 | 3.5 | 720 | 11 |
| | Nov-00 | 20.1 | 6.60 | 1.42 | 1 | -264 | 95 | 570 | 6.6 |
| | Oct-00 | 21.5 | 6.82 | 1.46 | 10 | 180 | 290 | 500 | 4.1 |
| | Oct-99 | 22.1 | 5.77 | 1.50 | 0 | 130 | 1.09 | 500 | 3.1 |
| T-9B | Oct-13 | 25.1 | 6.76 | 1.471 | 1 | 99.4 | | | |
| | Oct-12 | 20.95 | 6.94 | 1.59 | 1.1 | 42.8 | _ | | <1.0 |
| | Oct-11 | 20.60 | 7.06 | 1.55 | 0.0 | -131.8 | _ | -7 | |
| | Oct-10 | 21.53 | 7.04 | 1.59 | 0.0 | -168.6 | _ | _ | 1 |
| | Oct-09 | 20.39 | 6.92 | 1.43 | 25.8 | -55 | - | - | - |
| | Oct-08 | 20.4 | 7.57 | 0.127 | 0 | _ | -4 | | - |

Historic Groundwater General Environmental Parameter Results Former TRW Microwave Facility 825 Stewart Drive, Sunnyvale, California

| | | | | | | Oxidation-Reduction | Dissolved | | Total Organic |
|-------|------------------|--------------|--------------|--------------|-----------|---------------------|-----------------|-----------------|---------------|
| | | Temperature | pН | Conductivity | Turbidity | | Hydrogen | Alkalinity | Carbon |
| Well | Date | (°C) | (SU) | (mS/cm) | (NTU) | (mV) | (nM) | (mg/L as CaCO3) | (mg/L) |
| T-10B | Oct-13 | 18.6 | 6.72 | 1.121 | 2 | 184.8 | _ | _ | |
| | Oct-12 | 21.52 | 6.48 | 1.38 | 0.0 | 130.0 | _ | | <1.0 |
| | Oct-11 | 20.60 | 6.76 | 1.49 | 0.0 | 234.9 | _ | _ | |
| Ī | Oct-10 | 20.68 | 6.85 | 5.93 | 0.0 | -13.0 | - | _ | - |
| | Oct-09 | 21.62 | 6.27 | 1.65 | 2.3 | -49 | /- | _ | <5.0 |
| | Oct-08 | 22.3 | 7.19 | 0.273 | 43.2 | - 51 | | | 22 |
| | Oct-07 | 21.7 | 7.17 | 0.15 | 398 | - 55 | Ţ | _ | <5.0 |
| L | Jul-07 | 22.0 | 7.51 | 0.11 | 216 | -23 | - | _ | >3 |
| | May-07 | 21.2 | 6.88 | 0.11 | 404 | -58 | | 7.5 | |
| | Jan-07 | 20.2 | 6.39 | 1.52 | 1722 | 8 | <u> </u> | _ | <5.0 |
| | Oct-06 | 23.9 | 6.75 | 1.32 | 57-1- | 4 | - | - | <5.0 |
| | Jul-06 | 22.9 | 6.51 | 0.15 | 86 | 30 | _ | - | <5.0 |
| | Apr-06 | 20.8 | 6.61 | 1.59 | 43 | -195 | - | - | <5.0 |
| | Jan-06 | 20.5 | 6.96 | 0.98 | 35 | -43 | _ | - | <5.0 |
| | Oct-05 | 22.0 | 7.04 | 1.30 | 462 | 15 | _ | | 5.4 |
| T-4B | Oct-13 | 20.9 | 7.09 | 1.071 | 1 | 110 | | | |
| | Oct-12 | 21.42 | 7.07 | 1.42 | 5.5 | 19 | _ | | |
| | Oct-11 | 22.4 | 7.24 | 1.38 | 0 | 49.2 | _ | 7. | |
| | Oct-10 | 21.74 | 7.23 | 5.53 | 6.8 | -17.6 | | - | - |
| - 1 | Oct-09 | 19.92 | 6.61 | 1.57 | 9.9 | -137 | | - | |
| | Oct-08 | 21.9 | 7.3 | 187 | - | -144 | | - | |
| | Oct-07 | 20.2 | 7.59 | 0.14 | 311 | -82 | 7.7 | - | <5.0 |
| - | Jul-07 | 20.8 | 7.73 | 0.10 | 46.5 | 78 | 7- | | = |
| | May-07 | 20.3 20.1 | 7.54 7.79 | 1.05 1.34 | 213 | 95 -111 | 220 | 142 | |
| ŀ | Oct-06 Apr-06 | 20.1 | 6.91 | 1.34 | 213 | -161 | _ | - | |
| ŀ | Jan-06 | 20.1 | 7.34 | 1.29 | 53 | -101 | - | _ | == |
| ŀ | Oct-05 | 21.1 | 7.23 | 1.42 | 421 | -37 | 1/2 | | <5.0 |
| ŀ | Jul-05 | 20.7 | 6.98 | 1.42 | 421 | 11 | | 460 | 7.6 |
| ŀ | Apr-05 | 19.7 | 7.30 | 1.34 | 343 | -63 | | | 7.6 |
| ŀ | Jan-05 | 20.0 | 7.24 | 1.41 | | -92 | | | |
| ŀ | Oct-04 | 21.1 | 7.25 | 1.30 | | -52 | | | |
| ŀ | Apr-04 | 20.1 | 6.95 | 1.29 | 0 | -40 | 12 | 440 | |
| ŀ | Jan-04 | 19.4 | 6.86 | 1.39 | 0 | -61 | | 430 | 100 |
| ŀ | Jul-03 | 19.7 | 7.86 | 1.34 | 3 | -38 | _ | - | |
| - 1 | Apr-03 | 19.5 | 7.30 | 1.22 | 0 | 277 | _ | | |
| | Oct-99 | 20.2 | 6.34 | 1.27 | 0 | 12 | 1.29 | 420 | 2.2 |
| T-17B | Oct-13 | 20.2 | 7.22 | 1.246 | 6 | -14.6 | _ | - | <1 |
| | May-13 | 22.00 | 7.20 | 1.313 | | -17 | _ | _ | 1 |
| ľ | Oct-12 | 21.15 | 6.84 | 1.23 | 1.4 | 124.6 | | | <1.0 |
| ı | Apr-12 | 19.08 | 7.12 | 1.15 | | 34.3 | | | 0.55 J |
| | Oct-11 | 21.03 | 7.15 | 1.08 | 9.6 | 66.7 | _ | -4 | 22 |
| İ | Oct-10 | 20.08 | 7.22 | 1.32 | 0.0 | -28.8 | _ | _ | === |
| İ | Oct-09 | 21.49 | 6.70 | 1.47 | 13.5 | -36 | Ī | _ | |
| İ | Oct-08 | 22.1 | 7.5 | 0.139 | 35.4 | -186 | -10 | =- | |
| İ | Oct-07 | 20.8 | 7.39 | 0.12 | 581 | -65 | 7- | - | <5.0 |
| İ | Jul-07 | 21.5 | 7.57 | 0.09 | 255 | 73 | _ | _ | <u></u> |
| İ | May-07 | 20.6 | 7.02 | 0.10 | 205 | 64 | 22 5 | | |
| Ī | Jan-07 | 19.6 | 6.30 | 1.28 | 1991 | 25 | _ | _ | |
| | Oct-06 | 20.3 | 7.86 | 0.82 | | -113 | | _ | 777. |
| İ | Jul-06 | 23.8 | 6.93 | 0.13 | 95 | -106 | Ţ | _ | + |
| Ţ | Apr-06 | 21.0 | 6.81 | 1.25 | 159 | -237 | — | _ | |
| | Jan-06 | 19.0 | 7.14 | 1.18 | 0 | -82 | <u> </u> | _ | |
| T-18B | Oct-13 | 22 | 7.35 | 0.898 | 5 | -89.5 | | _ | |
| | May-13 | 23.04 | 8.04 | 0.994 | | -175 | _ | _ | |
| T-19B | Oct-13 | 20.6 | 6.86 | 1.008 | 118 | 93.6 | Ī | _ | <u></u> |
| | May-13 | 21.44 | 6.94 | 1.095 | | 34 | Ţ | _ | |

Historic Groundwater General Environmental Parameter Results Former TRW Microwave Facility 825 Stewart Drive, Sunnyvale, California

| Well | Date | Temperature | pH (SU) | Conductivity (mS/cm) | Turbidity (NTU) | Oxidation-Reduction Potential (mV) | Dissolved Hydrogen (nM) | Alkalinity (mg/L as CaCO3) | Total Organic Carbon (mg/L) |
|-------|--------|-------------|------------|-------------------------|--------------------|--|-------------------------------|-------------------------------|-----------------------------------|
| MACII | Date | (0) | (30) | | ne B2 Aqu | | (Tiller) | (mg/L as caccs) | (mg/L) |
| T-2C | Oct-13 | 19.1 | 7.97 | 0.817 | 2.0 | 147.2 | | | - |
| | Oct-12 | 20.02 | 7.46 | 0.929 | 2.3 | 57.1 | _ | _ | |
| | Oct-11 | 20.32 | 7.50 | 0.899 | 0.9 | 64.3 | _ | 4 | |
| | Oct-10 | 21.94 | 7.90 | 0.870 | 0.0 | 150.7 | Ţ | _ | |
| | Oct-09 | 20.02 | 7.08 | 0.96 | 372 | 20 | 11— | - | it, |
| | Oct-08 | 20 | 7.79 | 93 | 0 | 57 | | | |
| | Oct-07 | 21.8 | 7.06 | 1.26 | 9.5 | 11 | 2.0 | 320 | - 6; |
| | Oct-01 | 21.0 | 6.87 | 0.81 | 10 | -24 | 2.0 | 320 | <5.0 |
| T-9C | Oct-13 | 19.4 | 7.48 | 0.739 | 4 | 122.2 | 10- | _ | 22 |
| | Oct-12 | 21.23 | 7.50 | 0.777 | 0.0 | 48.0 | - | - | == |
| | Oct-11 | 20.35 | 7.78 | 0.765 | 0.0 | -127.6 | - | Ŧ | - |
| | Oct-10 | 24.07 | 7.55 | 0.807 | 0.0 | 21.3 | _ | - | |
| | Oct-09 | 20.18 | 7.39 | 0.829 | 113 | -96 | _ | - | - |
| | Oct-08 | 20.7 | 8.24 | 76 | 0.2 | - | <u>-10</u> | | 22 |
| T-10C | Oct-13 | 20.9 | 7.71 | 0.783 | 7 | - 50.3 | I | - | |
| | Oct-12 | 21.22 | 7.40 | 0.825 | 0.0 | 162.3 | _ | - | X -1 |
| | Oct-11 | 21.71 | 7.52 | 0.825 | 1.3 | -192.2 | _ | - | - |
| | Oct-10 | 21.44 | 7.63 | 0.805 | 0.0 | -117.5 | - | - | - |
| | Oct-09 | 20.53 | 7.52 | 0.914 | -4.1 | -91 | _ | - | - |
| | Oct-08 | 19.9 | 7.98 | 86 | 0 | - | | | ** |
| T-11C | Oct-13 | 20.6 | 6.93 | 0.931 | 3 | 103.7 | _ | - | |
| | Oct-12 | 21.66 | 6.94 | 0.971 | 0.0 | 208.0 | _ | = | |
| | Oct-11 | 21.25 | 7.33 | 0.956 | 0.0 | -8.0 | _ | - | |
| | Oct-10 | 21.65 | 7.34 | 0.974 | 0.0 | 78.1 | _ | - | |
| | Oct-09 | 20.31 | 7.22 | 0.98 | 156 | 71 | - | - | -0 |
| | Oct-08 | 20.5 | 7.87 | 0.1 | 14.8 | - | - | | .=- |
| T-12C | Oct-13 | 20 | 7.38 | 0.858 | 23 | 113.8 | - | - | - |
| | Oct-12 | 19.83 | 9.17 | 0.253 | 8.2 | 4.2 | _ | -9 | |
| | Oct-11 | 20.36 | 8.95 | 0.255 | 20.9 | -5.1 | _ | | - |
| | Oct-10 | 20.53 | 9.44 | 12.84 | 1.8 | 65.0 | _ | - | - 2: |
| | Oct-09 | 19.13 | 7.70 | 0.88 | 1.4 | 90 | _ | - | -// |
| | Oct-08 | 19.8 | 10.4 | 32 | 19.3 | 73 | | | 222 |

Notes:

°C = degree Celsius

SU = standard units

uS/cm = micro Siemens per centimeter

NTU = Nephelometric Turbidity Unit

m∨ = millivolts

nM = nanomolar

mg/L = milligram per liter

CaCo₃ = calcium carbonate

- = not analyzed/measured

⁽a) One month post EVO injection (just before pure soybean oil injection)

⁽b) Immediately after EVO injection

⁽c) Immediately before EVO injection

| Well | 1 | | lectron Acc | eptors | | | | Metabo | lic By-Pro | ducts | | |
|---------|--|--|----------------------|---|---|---|---|---|---|--|--|--|
| Well | | Dissolved | | | Total | Ferrous | Dissolved | 200 | 232533 | 2.5 | 200 | 126 |
| vveii | 5.4 | Oxygen | Nitrate | Sulfate | | Iron | Manganese | | | | Ethane | Ethene |
| | Date | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) one A Aquifer Well | (mg/L) | (mg/L) | (mg/L) | (µg/L) | (µg/L) | (µg/L) |
| T-7A | Oct-13 | 0.34 | - | - | | one A Aquiler Well | - | - 1 | - | - | - | |
| 1.17 | 10/17/2012 ^(a) | 0.64 | < 0.50 | 170 | 1120 | | | 1.2 | | 1.5/0.64 | 0.031/0.038 | 0.76/0.74 |
| | Oct-11 | 0.49 | - | - | | | | | - 2 | - | - | |
| | Oct-10 | 0.99 | 7 2-0 | 1 | | | - | - | | - 4 | - | |
| | Oct-09 | 5.53 | | - | 1.40 | | | 140 | | | T 4 | |
| | Oct-08 | 3.97 | - | - | L. 4c. | | | | | | 190 | + |
| | May-07 | 3.44 | | - 1 | | et a s t alle d | i | - | | - T | t T | in con |
| | Jun-01 | 1.26 | (I | | $f_{ij} = 2\pi$ | <1.0 | 0.012 | <2.0 | 45 | 0.10 | 0.006 | 0.014 |
| | Oct-99 | 0.71 | 3.0 | 190 | < 0.02 | <1.0 | < 0.005 | <2.0 | 55 | 0.05 | 0.013 | 0.017 |
| EDUCTOR | Oct-13 | 0.19 | - | 1.6 | | - | - | | | 6,400 | 22 | 910 |
| | May-13 | 0.15 | | 0.99 J | - | - | | HIGH | - | 7,300 | 22 | 970 |
| | Oct-12 Apr-12 | 0.07 | <0.50 | 3.0 | - | | | - | - | 7,200 6,100 | 19 18 | 1,500 1,400 |
| | Oct-11 | 0.16 | | 8.2 | === | | | _ | - | 7,200 | 10 | 380 |
| | May-11 | 0.14 | -4- | 0.2 | | | | -4- | -2 | 520 | 3 | 1,300 |
| | Mar-11 | 0.14 | - | 1 4 | 14 | - | 1 2 | - | - | 870 | 5 | 1,300 |
| | 11/15/2010 ^(b) | 2.06 | 1 2 | 4 | 174 | | 1 40 1 | - | 104 | 7,600 | 90 | 2,400 |
| | 10/21/2010 ^(c) | 0.20 | Y 2 | | 7 27 1 | - 2 Y | 7 - 2 - 7 | 1 22 | 200 | _ | 7 1 | |
| | 10/13/2010 ^(d) | 5.99 | | 2.8 | 1 = 1 | 4 1 | - | - | 2 | 6,900 | 14 | 24,000 |
| | Oct-09 | 1.57 | | 100 | Y = 1 | 2 1 | - | - | _ | 13,000 | 110 | 5,700 |
| | Oct-08 | 0.00 | 1 (2) | - | 7 | | | - | 32- | 9,100 | 12 | 14,000 |
| | Oct-07 | 0.09 | | - | | | | | | 13,000 | 31 | 12,000 |
| | Apr-07 | 2.79 | - 7 - 7- | 4.2 | | 6.5 | - | | 250 | 13,000 | 52 | 7,300 |
| | Oct-06 | 1.23 | -39- | 3> 11 | T-7-11 | 6.1 | | ne. | 250 | 12,000 | 47 | 11,000 |
| | Apr-06 | 0.00 | | T-100 | - | 4.7 | | - | 250 | 14,000 | 63 | 9,300 |
| | Jan-06 | |) — 6 — (| TA: | heri | 14 | The man | J-4- | 410 | 9,600 | 49 | 14,000 |
| | Oct-05 | 9 |) 1 | - | 1 | 3.7 | | 140 | 220 | 12,000 | 79 | 6,100 |
| | Sep-05 | | - | - | - | 4 | - | - | | | <u> </u> | - |
| | Jul-05 | 0.20 | | - | - | 1.5 | | - | 240 | 11,000 | 110 | 6,100 |
| | Apr-05 | 0.66 | - | 2.1 | - | 6.1 | - | - 145 | 230 | 10,000 | 170 | 800 |
| | Jan-05 | 0.06 | | - | | 4.9 | - 42 | +-(+) <- | 160 | 9,500 | 260 | 6,700 |
| | Oct-04 Apr-04 | 0.00 | - | - | - | 3.8 | 13 12 | + H>= | <1.0 110 | 11,000 11,000 | 300 61 | 4,200 1,900 |
| | Jan-04 | 0.00 | | - | | 2.0 | 16 | | - | 11,000 | 9.6 | 600 |
| | Oct-03 | - | _ | | 7 B | 1.6 | 14 | _ | 110 | 13,000 | 0.79 | 800 |
| | Jul-03 | 0.00 | 12 | _ | 7 T | 58 | 41 | | 310 | 950 | 8.1 | 9,900 |
| | Apr-03 | 0.00 | 7 72 7 | 1 | 7 4 | 15 | 24 | Y Y | 40 | 8,400 | 0.29 | 160 |
| | Jan-03 | 1 - 1 | - | | 1141 | 29 | 21 | 2 | 120 | 3,600 | 1.4 | 310 |
| | Oct-02 | 0.00 | L A | | - | 14 | 0.05 | 12 | 36 | 320 | 0.40 | 120 |
| | Jul-02 | F1.8 - 1 | 6.3 | 7.8 | 3.0 | | 7-7- | DAG | 100 | 380 | 0.080 | 85 |
| | Mar-02 | | | | 100 | | 110 | <2.0 | 740 | 11 | 0.045 | 4.6 |
| | Jan-02 | 0.61 | - T | 99 | 1-2- | 690 | 150 | 35 | 1,300 | 160 | 0.034 | 34 |
| | Nov-01 | - | <0.10 | 91 | 20 | 6.4 | 66 | <2.0 | 54 | 4.6 | 0.018 | 1.4 |
| | Oct-01 | 0.13 | 9 9 | 10-20 | 1 + | 400 | 92 | <2.0 | 4,000 | 0.95 | 0.050 | 15 |
| | Aug-01 | 0.00 | | - 420 | - 4.0 | 22 | 22 | <2.0 | 64 | 2.4 | 0.11 | 29 |
| | Jun-01 Mar-01 | 0.00 | <0.05 | 120 | 1.0 | 1.1 0.97 w/HACH | 2.5 | <2.0 | 100 | 150 | 0.13 | 450 |
| | Jan-01 | 5.90 | 1 0-0 L | _ | - | 0.00 w/HACH | 1 | 1 +3 0 | | 40 | + | |
| | Nov-99 | 6.20 | _ | - | - | <1.0 | < 0.005 | <2.0 | 74 | 0.092 | 0.006 | 0.28 |
| T-2A | Oct-13 | 0.21 | - | 34 | - | - | - | - | - | 8,200 | 250 | 170 |
| | May-13 | 1.73 | | 33 | - | 2 1 | | - | | 4,000 | 120 | 67 |
| | May-13 Dup | 1.73 | | 37 | | | (=-) | - | - | 4,300 | 120 | 72 |
| | Oct-12 | 0.33 | < 0.50 | 13 | 1 - 1 | 3 | | - | W + | 10,000 | 280 | 470 |
| | Apr-12 | 0.56 | | 22 | | - | | 15 9 7 | | 5,600 | 160 | 150 |
| | Oct-11 | 0.20 | | 5 | + | | 100 | +) + 3 | + | 11,000 | 490 | 190 |
| | May-11 | 0.21 | I_7A/ | | 1 | - | 110 | E E | | 18,000 | 30 | 170 |
| | Mar-11 | 0.17 | | -)) | - - | | | A 100 | - - - | 20,000 | 19 | 530 |
| | 11/15/2010 ^(a) | 1.96 | - | - | - | - | + | - | - | 9,800 | 59 | 1,400 |
| | 10/20/2010 ^(b) | 6.65 | - + | - | - | - | | | - | | | |
| | | | - | 58 | - | - | 1-1-4 | 10+0 | | 13,000 | 85 | 1,300 |
| | 10/12/2010 ^(c) | 6.66 | | _ | | | | | | 6,100 | 32 | 180 |
| | Oct-09 | 4.29 | . = | 88 | (P) | | 1, 17 - | A 177 | JE WOOD | | | 7,110 |
| | Oct-09 Oct-08 | 4.29 0.00 |) 1 5 11 | - 1 | (+) | | (| (-) | - | 14,000 | 40 | 44 |
| | Oct-09 Oct-08 Oct-07 | 4.29 0.00 4.01 | | + | | | () () | 1 | - | 14,000 5,700 | 40 24 | 44 16 |
| | Oct-09 Oct-08 Oct-07 Apr-07 | 4.29 0.00 | | + | 1 E I | 3 / 1 | | 1 | 1 | 14,000 5,700 5,700 | 40 24 24 | 44 16 16 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 | 4.29 0.00 4.01 0.00 | - | 1 | D F J 1 | | | 1 | - | 14,000 5,700 5,700 11,000 | 40 24 24 59 | 44 16 16 53 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 Apr-06 | 4.29 0.00 4.01 0.00 0.00 | - | + | 1 1 1 1 1 | 3 / 1 | | 1111 | 1 | 14,000 5,700 5,700 11,000 7,900 | 40 24 24 59 21 | 44 16 16 53 19 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 | 4.29 0.00 4.01 0.00 | - | 1 1 1 | D F J 1 | 3 1 1 1 | | | 1111 | 14,000 5,700 5,700 11,000 | 40 24 24 59 | 44 16 16 53 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 Apr-06 Jan-06 | 4.29 0.00 4.01 0.00 0.00 | - | 1111 | 1 1 1 1 1 | J + 1 - 1 - 1 | - | | 1 1 1 1 | 14,000 5,700 5,700 11,000 7,900 7,800 | 40 24 24 59 21 31 | 44 16 16 53 19 26 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 Apr-06 Jan-06 Oct-05 | 4.29 0.00 4.01 0.00 0.00 | - | - - - - - 87 | 1 1 1 1 1 1 | - - - - - - 16 | - | 1 1 1 1 1 1 | - - - - - - 70 | 14,000 5,700 5,700 11,000 7,900 7,800 11,000 | 40 24 24 59 21 31 34 | 44 16 16 53 19 26 22 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 Apr-06 Jan-06 Oct-05 Jul-05 Apr-05 Jan-05 | 4.29 0.00 4.01 0.00 0.00 0.45 0.43 0.09 | | - - - - - 87 20 85 14 | 1 1 1 1 1 1 | - - - - - 16 2.5 18 | | | - - - - - 70 85 93 72 | 14,000 5,700 5,700 11,000 7,900 7,800 11,000 12,000 11,000 6,800 | 40 24 24 59 21 31 34 52 32 26 | 44 16 16 53 19 26 22 41 27 30 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 Apr-06 Jan-06 Oct-05 Jul-05 Apr-05 | 4.29 0.00 4.01 0.00 0.00 0.45 0.43 0.09 0.00 | | - - - - 87 20 85 14 5.8 |) F F 1 1 1 1 1 1 1 | - - - - - 16 2.5 18 10 4.4 | - - - - - - - - - - 32 | 1111111 | - - - - - 70 85 93 72 <1.0 | 14,000 5,700 5,700 11,000 7,900 7,800 11,000 12,000 11,000 6,800 8,200 | 40 24 24 59 21 31 34 52 32 26 | 44 16 16 53 19 26 22 41 27 30 41 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 Apr-06 Jan-06 Oct-05 Jul-05 Apr-05 Jan-06 Oct-04 Apr-04 | 4.29 0.00 4.01 0.00 0.00 0.45 0.43 0.09 0.00 0.00 | | - - - - - 87 20 85 14 5.8 | 1 1 1 1 1 1 1 1 | - - - - 16 2.5 18 10 4.4 25 | - - - - - - - - 32 33 | | - - - - 70 85 93 72 <1.0 | 14,000 5,700 5,700 11,000 7,900 7,800 11,000 12,000 11,000 6,800 8,200 6,300 | 40 24 24 59 21 31 34 52 32 26 25 | 44 16 16 53 19 26 22 41 27 30 41 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 Apr-06 Jan-06 Jan-06 Jan-05 Oct-05 Jul-05 Apr-05 Jan-05 Jan-05 Jan-04 | 4.29 0.00 4.01 0.00 | | - - - - - 87 20 85 14 5.8 15 25 | 1 1 1 1 1 1 1 1 | | - - - - - - - - - 32 33 37 | 1 | - - - - 70 85 93 72 <1.0 66 | 14,000 5,700 5,700 11,000 7,900 7,800 11,000 12,000 11,000 6,800 8,200 6,300 9,900 | 40 24 24 59 21 31 34 52 32 26 25 15 | 44 16 16 53 19 26 22 41 27 30 41 22 18 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 Apr-06 Jan-06 Oct-05 Jul-05 Apr-05 Jan-05 Oct-04 Apr-04 Jan-04 Oct-03 | 4.29 0.00 4.01 0.00 0.00 0.45 0.43 0.09 0.00 0.00 0.00 | | | | | | 1 | | 14,000 5,700 5,700 11,000 7,900 7,800 11,000 12,000 11,000 6,800 8,200 6,300 9,900 9,100 | 40 24 24 59 21 31 34 52 32 26 25 15 26 5.2 | 44 16 16 53 19 26 22 41 27 30 41 22 18 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 Apr-06 Jan-06 Oct-05 Jul-05 Apr-05 Jan-05 Oct-04 Apr-04 Jan-04 Oct-03 Jul-03 | 4.29 0.00 4.01 0.00 0.00 0.45 0.43 0.09 0.00 0.00 0.00 | | 87 20 85 14 5.8 15 25 <1.0 | | - - - - - 16 2.5 18 10 4.4 25 21 25 25 | | 1 | - - - - - - - - - - - - - - - - - - - | 14,000 5,700 5,700 11,000 7,900 7,800 11,000 12,000 11,000 6,800 8,200 6,300 9,900 9,100 7,900 | 40 24 24 59 21 31 34 52 26 25 15 26 25 3.1 | 44 16 16 53 19 26 22 41 27 30 41 22 18 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 Apr-06 Jan-06 Oct-05 Jul-05 Apr-05 Jan-05 Jan-04 Oct-04 Apr-04 Jan-04 Oct-03 Apr-03 | 4.29 0.00 4.01 0.00 0.00 0.45 0.43 0.09 0.00 0.00 0.00 0.00 0.00 | | 87 20 85 14 5.8 15 25 <1.0 4.3 6.1 | | | | | | 14,000 5,700 5,700 11,000 7,800 11,000 12,000 11,000 6,800 8,200 6,300 9,900 9,100 9,800 | 40 24 24 59 21 31 34 52 32 26 25 15 26 5.2 3.1 | 44 16 16 53 19 26 22 41 27 30 41 22 18 29 23 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Apr-07 Oct-06 Apr-06 Jan-06 Jan-06 Oct-05 Jul-05 Apr-05 Jan-05 Jan-05 Jan-05 Jan-05 Jan-04 Oct-03 Jul-03 Apr-03 Jan-03 | 4.29 0.00 4.01 0.00 - 0.00 - 0.45 0.43 0.09 0.00 0.00 0.00 0.00 0.78 | | | - - - - - - - - - - - - - - - - - - - | | | | - - - - - - - - - - - - - - - - - - - | 14,000 5,700 5,700 5,700 11,000 7,900 7,800 11,000 12,000 11,000 6,800 8,200 6,300 9,900 9,100 7,900 9,800 13,000 | 40 24 24 59 21 31 34 52 32 26 25 15 26 5.2 3.1 6.5 3.6 | 44 16 16 53 19 26 22 41 27 30 41 22 18 29 23 13 |
| | Oct-09 Oct-08 Oct-07 Apr-07 Oct-06 Apr-06 Jan-06 Oct-05 Jul-05 Apr-05 Jan-05 Jan-04 Oct-04 Apr-04 Jan-04 Oct-03 Apr-03 | 4.29 0.00 4.01 0.00 0.00 0.45 0.43 0.09 0.00 0.00 0.00 0.00 0.00 | | 87 20 85 14 5.8 15 25 <1.0 4.3 6.1 | | | | | | 14,000 5,700 5,700 11,000 7,800 11,000 12,000 11,000 6,800 8,200 6,300 9,900 9,100 9,800 | 40 24 24 59 21 31 34 52 32 26 25 15 26 5.2 3.1 | 44 16 16 53 19 26 22 41 27 30 41 22 18 29 23 |

| | | | lectron Acc | eptors | | | | Metabo | lic By-Pro | ducts | | |
|-------------|----------------------|---------------------|------------------------|------------|---------------|-----------------|------------------------|-------------|--------------|----------------|-----------------|--------------|
| | | Dissolved Oxygen | Nitrite and Nitrate | Sulfate | Total Iron | Ferrous Iron | Dissolved Manganese | Sulfide | Chloride | Methane | Ethane | Ethene |
| Well | Date | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (µg/L) | (µg/L) | (µg/L) |
| T-2A | Jan-02 | | | _ | | | | | | | | |
| (continued) | Nov-01 | 0.35 | 2.0 | 80 | 23 | 35 | 5.4 | 3.2 | 2,400 | 1,200 | 0.009 | 44 |
| | Oct-01 Aug-01 | 0.00 | 0.30 <0.10 | 54 53 | 64 60 | 58 48 | 9.5 9.0 | <2.0 | 57 63 | 1,400 2,220 | 0.016 0.086 | 49 150 |
| | Jun-01 | 0.00 | <0.05 | 7.8 | 100 | 94 | 18 | <2.0 | 71 | 6,300 | < 0.005 | 160 |
| | Mar-01 | 2.03 | 2.0 | 120 | 15 | 8.4 | 4.8 | <2.0 | 57 | 660 | 0.033 | 44 |
| | Jan-01 | 5.90 | 0.77 | 63 | 15 | 9.5 | 3.2 | <2.0 | 68 | 160 | 0.028 | 9.1 |
| | Nov-99 | 2.64 | 3.3 | 290 | < 0.02 | <1.0 | <0.005 | <2.0 | 72 | 0.093 | 0.019 | 0.062 |
| T-3A | Oct-13 | 0.98 | | | _ | _ | - | _ | _ | - | _ | |
| | Oct-12 Oct-11 | 1.23 | _ | _ | - | - | _ | _ | - | - | _ | _ |
| | Oct-10 | 1.75 | _ | _ | _ | | - | _ | _ | - | _ | |
| | Oct-09 | 3.3 | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| | Oct-08 | 4.21 | - | _ | - | _ | _ | - | _ | - | _ | - |
| T-8A | Oct-13 | 0.4 | - | 180 | _ | - | _ | _ | _ | 100 | 0.076 | 0.023 J |
| | May-13 | 0.21 | - | 170 | | _ | _ | | | 13 | 0.030 | 0.050 |
| | Oct-12 | 0.27 | 1.9 | 160 | - | _ | - | _ | - | 180 | 0.082 | 0.12 |
| | Apr-12 Oct-11 | 0.53 0.17 | _ | 180 200 | | | _ | _ | _ | 2,900 66 | 0.38 0.011J | 0.26 |
| | Oct-10 | 0.16 | _ | 200 | _ | _ | _ | _ | _ | 300 | 0.043 | 0.037 |
| | Apr-10 | 6.97 | _ | _ | _ | | | _ | _ | 560 | 0.043 | 0.330 |
| | Oct-09 | 3.83 | _ | 210 | _ | _ | _ | _ | _ | 550 | 0.076 | 2.500 |
| | Oct-08 | 0.00 | _ | | _ | _ | - | - | _ | _ | | - |
| | Oct-07 | 0.00 | - 1 | 150 | _ | 0.42 | - | - | 90 | 3,700 | 0.15 | 7.40 |
| | Apr-07 | 1.23 | - | 260 | _ | <1.0 | - | - | 120 | 750 | 0.061 | 0.26 |
| | Jan-07 | 0.00 | - | 240 | - | <1.0 | - | ı | 80 | 3,500 | 0.075 | 0.7 |
| | Oct-06 | 1.66 | _ | 240 | _ | 2.6 | | _ | 95 | 4,200 | < 0.025 | 2.7 |
| | Jul-06 | 0.21 | - | 260 | _ | <1.0 | | - | 67 | 1,000 | < 0.025 | 0.24 |
| | Apr-06 Jan-06 | 0.00 | _ | 160 130 | _ | <1.0 <1.0 | _ | _ | 51 41 | 3,000 2,200 | 0.12 <0.025 | 3.8 |
| | Oct-05 | 0.49 | _ | 210 | _ | <1.0 | | _ | 81 | 58 | <0.025 | 0.029 |
| | Jul-05 | 0.47 | 23 | 180 | | <1.0 | <0.1 | _ | 67 | 65 | < 0.025 | 0.023 |
| | Apr-05 | 0.60 | - | 250 | _ | - | - | _ | 67 | _ | - | - |
| | Oct-04 | 0.00 | - | _ | _ | _ | - | _ | _ | - | _ | _ |
| | Apr-04 | 0.00 | 22 | 200 | _ | <1.0 | _ | - | 59 | 38 | < 0.005 | < 0.005 |
| | Jan-04 | 0.00 | 23 | 260 | _ | <1.0 | _ | _ | 72 | 13 | 0.058 | 0.11 |
| | Oct-02 | - | 14 | 200 | 0.42 | <1.0 | 0.016 | <2.0 | 60 | 20 | 0.006 | 0.053 |
| | Jul-02 | | 16 | 190 | 0.086 | _ | _ | | 68 | 44 | 0.009 | 0.038 |
| | Mar-02 | 0.00 | - 42 | 230 | 0.28 | - 4.0 | 0.021 | <2.0 | 59 | 56 | 0.008 | 0.066 |
| | Jan-02 Nov-01 | 0.60 | 13 12 | 220 230 | 0.22 | <1.0 <1.0 | 0.027 0.047 | <2.0 3.2 | 66 63 | 76 52 | <0.005 0.008 | 0.066 |
| | Oct-01 | 0.00 | 16 | 210 | 7.0 | <1.0 | 0.047 | <2.0 | 68 | 130 | 0.008 | 0.079 |
| | Aug-01 | 0.00 | 16 | 2,500 | 0.38 | <1.0 | 0.037 | <2.0 | 65 | 43 | 0.007 | 0.072 |
| | Jun-01 | 0.00 | 2.3 | 250 | <0.050 | <1.0 | <0.010 | <2.0 | 77 | 4.0 | 0.009 | 0.018 |
| | Mar-01 | 0.61 | _ | _ | - | 0.17 w/HACH | _ | _ | _ | _ | _ | _ |
| | Jan-01 | 6.37 | - | _ | - | 0.10 w/HACH | _ | - | - | - | - | _ |
| | Oct-99 | 3.82 | 3.6 | 280 | 0.0206 | <1.0 | 0.014 | <2.0 | 69 | 0.112 | 0.027 | 0.012 |
| T-9A | Oct-13 | 0.31 | - | - 470 | _ | _ | - | | | - | - | |
| | Oct-12 | 0.30 | <0.50 | 170 | _ | _ | - | - | - | 140 | 0.5 | 0.031 |
| | Oct-11 Oct-10 | 0.17 7.37 | _ | _ | _ | | | _ | | _ | _ | _ |
| | Oct-09 | 0.00 | | _ | _ | _ | | | _ | _ | _ | _ |
| | Oct-08 | 0.00 | _ | _ | _ | _ | _ | _ | _ | 290 | 0.4 | 0.053 |
| | Oct-07 | 4.19 | | _ | _ | _ | _ | - | - | 260.0 | 0.330 | 0.084 |
| | May-07 | 2.25 | - | _ | - | - | - | - | - | 9.8 | 0.120 | 0.054 |
| | Oct-06 | 3.32 | _ | _ | _ | _ | - | - | _ | 5.6 | 0.062 | < 0.025 |
| | Jul-06 | 0.17 | - | _ | - | _ | - | 1 | - | - 4 000 | - | - |
| | Apr-06 | 0.00 | | _ | _ | | _ | _ | _ | 1,800 | 0.27 | 0.091 |
| | Jan-06 Oct-05 | 0.00 | _ | 130 | _ | <1.0 | _ | _ | 63.0 | 2,000 530 | 0.12 0.12 | 0.14 |
| | Jul-05 | 0.00 | 9.9 | 210 | _ | <1.0 | 0.2 | _ | 68.0 | 100 | 0.12 | 0.096 |
| | Apr-05 | 0.05 | - | 240 | _ | - | - | _ | - | 74 | - | 0.040 |
| | Jan-05 | 0.21 | _ | - | _ | _ | | _ | _ | - | _ | _ |
| | Oct-04 | 0 | 7.5 | 180 | _ | - | - | - | 62 | 74 | 0.23 | 0.54 |
| | Apr-04 | 0.00 | 11 | 190 | _ | <1.0 | _ | - | 52 | 81 | 0.026 | 0.027 |
| | Jan-04 | 0.00 | 16 | 200 | _ | <1.0 | - | ı | 69 | 96 | 0.52 | 0.20 |
| T-13A | Oct-13 | 0.45 | - | 180 | _ | _ | - | 1 | - | 6,000 | 1.8 | 3.4 |
| | May-13 | 0.66 | _ | 170 | - | _ | - | - | - | 3,800 | 0.71 | 2.8 |
| | May-13 Dup Oct-12 | 0.66 0.18 | <0.50 | 160 100 | | _ | _ | | | 4,600 7,700 | 0.83 1.30 | 3.0 22.00 |
| | Apr-12 | 0.10 | NJ.30 | 94 | | _ | | _ | | 14,000 | 1.9 | 6.9 |
| | Oct-11 | 0.01 | _ | 200 | _ | | | _ | _ | 2,200 | 0.180 | 3.8 |
| | Oct-10 | 0.24 | _ | 210 | _ | _ | _ | _ | _ | 5,600 | 0.620 | 4.6 |
| | Apr-10 | 6.77 | _ | _ | - | - | _ | ı | ı | 9,200 | 5.300 | 8.0 |
| | Oct-09 | 3.53 | _ | 180 | _ | | _ | _ | _ | 11,000 | 0.700 | 6.7 |
| | Oct-08 | 4.95 | _ | 77 | _ | 14 | -: | - | 120 | 12,000 | 12 | 5 |
| | Oct-07 | 4.25 | 1-5 | 91 | _ | 2.7 | - | - | 81.0 | 2,900 | 0.140 | 0.7 |
| | Jul-07 | 0.62 | 1-1 | 250 | | <1.0 | | - | 100.0 | 170 | < 0.025 | < 0.025 |
| | Apr-07 | 2.65 | - | 260 | _ | <1.0 | _ | - | 120.0 | 230 | <0.025 | < 0.025 |
| | Jan-07 | 0.09 2.23 | _ | 260 | _ | <1.0 | _ | _ | 92.0 | 450 | <0.025 | 0.0 |
| | Oct-06 Jul-06 | 0.24 | _ | 330 260 | | <1.0 <1.0 | _ | | 81.0 74.0 | 370 480 | <0.025 0.026 | 3.8 0.081 |
| | Apr-06 | 0.65 | _ | 230 | | <1.0 | | _ | 74.0 | 790 | 0.026 | 1.4 |
| | Jan-06 | 1.04 | _ | 230 | _ | <1.0 | | _ | 66.0 | 31 | 0.037 | 0.58 |
| | Nov-05 | 0.00 | 13 | 210 | _ | <1.0 | 0.1 | _ | 63.0 | 9.8 | 0.18 | 0.23 |
| | | | | _ | | | - | | _ | | | |

| | | E | Electron Acc | eptors | | | | Metabo | lic By-Pro | ducts | | |
|-------|------------------|------------------|-------------------|-------------------|----------------|----------------|---------------------|--------|--------------------|-------------------|------------------|------------------|
| | | Dissolved | | Culfata | Total | Ferrous | Dissolved | ee | Chlorida | Mathana | Ethana | Ethana |
| Well | Date | Oxygen (mg/L) | Nitrate (mg/L) | Sulfate (mg/L) | Iron (mg/L) | lron (mg/L) | Manganese (mg/L) | (mg/L) | Chloride (mg/L) | Methane (µg/L) | Ethane (µg/L) | Ethene (µg/L) |
| T-14A | Oct-13 | 0.43 | - | 160 | - | - | - | - | - | 320 | 0.85 | 8.5 |
| | May-13 | 0.24 | _ | 140 | _ | _ | _ | _ | _ | 360 | 0.82 | 9.8 |
| | Oct-12 Apr-12 | 0.22 0.73 | _ | 160 | _ | - | _ | _ | | 5,500 | 2.6 | - 8.6 |
| | Oct-11 | 0.11 | _ | 190 | _ | | | _ | _ | 170 | 0.210 | 6.0 |
| | Oct-10 | 0.38 | - | 190 | - | _ | _ | _ | ı | 300 | 0.400 | 7.4 |
| | Apr-10 | 6.69 | - | - | _ | _ | _ | _ | _ | 530 | 0.450 | 6.3 |
| | Oct-09 Oct-08 | 0.54 | _ | 180 180 | _ | 8.5 | - | _ | 100 | 4,300 9,400 | 0.760 0.2 | 12 14 |
| | Oct-07 | 4.25 | _ | 45.0 | _ | 15.0 | _ | _ | 73.0 | 520 | 0.340 | 0.560 |
| | Jul-07 | 0.15 | - | 210.0 | - | <1.0 | - | _ | 89.0 | 160 | 0.059 | 0.052 |
| | Apr-07 | 1.89 | - | 210.0 | _ | <1.0 | - | _ | 110.0 | 91 | 0.029 | 0.031 |
| | Oct-06 Apr-06 | 1.49 0.46 | - | 240 | _ | <1.0 <1.0 | _ | _ | 65.0 | 260 1,400 | 0.041 0.076 | 0.53 0.64 |
| | Jan-06 | 0.20 | _ | 210 | _ | <1.0 | _ | _ | 56.0 | 560 | 0.029 | 0.088 |
| | Nov-05 | 0.00 | 13 | 210 | - | <1.0 | 0.1 | _ | 60.0 | 640 | 0.084 | 0.16 |
| T-15A | Oct-13 | 0.37 | - | - 470 | - | _ | - | _ | - | - | - 0.000.1 | |
| | May-13 Oct-12 | 0.30 | 3.6 | 170 160 | - | - | _ | _ | _ | 2.5 1.8 | 0.023 J 0.038 | 0.026 |
| | Apr-12 | 0.42 | - | 190 | _ | | _ | | _ | 9.9 | 0.036 | 0.03 |
| | Oct-11 | 0.12 | - | - | _ | _ | _ | - | _ | - | - | - |
| | Oct-10 | 0.29 | _ | _ | | _ | _ | _ | _ | _ | _ | _ |
| | Oct-09 Oct-08 | 3.27 6.55 | _ | 230 | _ | <1.0 | _ | - | 97 | 6.4 | <0.025 | 0.33 |
| | Oct-08 | 2.88 | _ | 250 | _ | <0.05 | - | _ | 97 | 18 | <0.025 | 0.33 |
| | Jul-07 | 0.02 | _ | _ | ı | - | _ | _ | - | - | - | - |
| | Jan-07 | 0.00 | _ | 210 | _ | <1.0 | _ | _ | 76 | 140 | 0.04 | 0.16 |
| | Oct-06 | 1.63 | - | 260 | | <1.0 | | _ | 85 | 180 | < 0.025 | 0.26 |
| | Jul-06 | 0.15 | - | 260 250 | _ | <1.0 <1.0 | _ | _ | 63 66.0 | 240 | 0.049 | 0.59 |
| | Apr-06 Jan-06 | 0.69 | _ | 190 | _ | <1.0 | | _ | 60.0 | 1,200 2,100 | 0.16 0.12 | 3.6 5.2 |
| | Nov-05 | 0.00 | 1.0 | 140 | _ | <1.0 | 1.7 | _ | 63.0 | 3,200 | 0.042 | 1.6 |
| T-16A | Oct-13 | 0.32 | - | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| | Oct-11 | 0.24 | - | _ | - | _ | - | _ | - | - | _ | |
| | Oct-11 Oct-10 | 0.15 | _ | _ | _ | - | -: | _ | - | _ | _ | _ |
| | Oct-09 | 3.16 | _ | _ | _ | _ | | | | - | | |
| | Oct-08 | 0.00 | - | 220 | - | <1 | - | - | 95 | 160 | < 0.025 | 0.08 |
| | Oct-07 | 0.00 | 1- | 240 | _ | <1.0 | - | _ | 99.0 | 190 | < 0.025 | 0.92 |
| | May-07 | 0.00 | - | 270 | _ | <1.0 | | _ | 100.0 | 47 | 0.057 | 0.13 |
| | Oct-06 Apr-06 | 1.40 0.22 | _ | 270 240 | _ | <1.0 <1.0 | _ | _ | 84.0 63.0 | 320 1,800 | <0.025 0.17 | 0.55 3.6 |
| | Jan-06 | - | _ | 200 | | 1.1 | | _ | 57.0 | 2,500 | 0.084 | 3.7 |
| | Nov-05 | 0.00 | 1.0 | 140 | - | <1.0 | 2.0 | _ | 62.0 | 5,900 | 0.076 | 2.0 |
| T-17A | Oct-13 | 0.24 | _ | 130 | _ | _ | _ | - | - | 530 | 0.61 | 0.14 |
| | May-13 | 0.08 | - | 140 | _ | _ | - | | - | 1,100 | 0.66 | 0.21 |
| | Oct-12 Apr-12 | 0.22 | 5.9 | 120 120 | | | | _ | _ | 2500.0 4,000 | 1.2 1.6 | 0.070 0.67 |
| | Nov-11 | - 0.44 | _ | 140 | | | | _ | | 1.8 | 0.14 | 0.39 |
| T-19A | Oct-13 | 0.85 | - | 32 | - | _ | - | - | _ | 8,400 | 3.4 | 3.3 |
| | May-13 | 1.52 | - | 37 | - | - | - | - | ı | 8,900 | 2.6 | 4.9 |
| | Oct-12 | 0.17 | 0.22 J | 23 | _ | | _ | _ | _ | 13,000 | 1.7 | 2.9 |
| | Apr-12 Oct-11 | 0.61 | | 7.3 | | _ | | | | 16,000 | 2.000 | 1.1 |
| | Oct-10 | 0.43 | _ | 170 | | _ | | _ | | 1,000 3,200 | 2.900 | 13.000 |
| | Apr-10 | 6.78 | _ | _ | - | _ | _ | _ | | 3,300 | 11.000 | 7.400 |
| | Oct-09 | 2.03 | - | 81 | _ | _ | - | _ | | 12,000 | 6.600 | 7.100 |
| | Oct-08 Oct-07 | 0 | _ | <2.0 42 | | 22 44.0 | - | _ | 140 120.0 | 11,000 92 | 0.52 0.180 | 2.3 0.23 |
| | Sep-07 | 0.82 | _ | 250 | _ | 44.U <1.0 | _ | _ | 84.0 | 34 | 0.180 | 0.25 |
| T-23A | Oct-13 | 0.9 | - | 130 | - | - | - | - | - | 6,100 | 2.8 | 1.8 |
| | May-13 | 0.13 | - | 160 | - | - | - | - | - | 4,600 | 1.3 | 2.4 |
| | Oct-12 | 0.13 | <0.50 | 120 | - | _ | _ | - | _ | 7,900 | 1.1 | 5.2 |
| | Apr-12 Oct-11 | 0.79 | _ | 100 190 | _ | | _ | _ | | 9,300 2,200 | 6.000 | 3.1 2.400 |
| | Oct-10 | 0.49 | - | 190 | _ | _ | _ | - | - | 3,000 | 7.200 | 6.100 |
| | Apr-10 | 6.71 | - | _ | - | - | _ | _ | _ | 4,900 | 6.500 | 14.00 |
| | Oct-09 | 0.47 | - | 200 | - | - | - | - | - 400 | 3,400 | 6.500 | 14.00 |
| | Oct-08 Oct-07 | 0.00 | _ | 79 100 | _ | 4.9 1.5 | | _ | 100 83.0 | 13,000 6.70 | 0.86 0.530 | 3.3 0.480 |
| | Sep-07 | 1.24 | _ | 200 | _ | <1.0 | _ | _ | 97.0 | 1.50 | 0.091 | 0.110 |
| T-24A | Oct-11 | 0.11 | | _ | | | | | | 6,800 | 20.000 | 4.700 |
| T-25A | Oct-13 | 0.33 | - | 160 | | | - | _ | - | 47 | 0.13 | 15 |
| | May-13 Oct-12 | 0.22 | _ | 160 | | | | _ | _ | 57 - | 0.14 | 14 |
| | Apr-12 | 0.22 | _ | 150 | | | | _ | _ | 7,000 | 9.8 | 16 |
| | Oct-11 | 0.21 | - | 190 | | _ | | | | 21 | 0.059 | 0.740 |
| | Oct-10 | 0.45 | - | 190 | - | _ | _ | - | - | 41 | 0.062 | 2.200 |
| | Apr-10 | 6.80 3.65 | _ | 200 | _ | _ | _ | _ | | 450 54.00 | 0.280 0.140 | 5.300 8.000 |
| | Oct-09 Oct-08 | 4.75 | _ | 200 | - | 2.7 | _ | _ | 93 | 1,200 | 0.140 | 14 |
| | Oct-07 | 0.00 | - | 170 | _ | 2.7 | | _ | 90.0 | 970 | 0.033 | 0.580 |
| | Sep-07 | 0.71 | - | 260 | - | <1.0 | - | - | 96.0 | 170 | 0.076 | 0.210 |
| | | | | | | | | | | | | |

| | | E | lectron Acc | eptors | | | | Metabo | lic By-Pro | ducts | | |
|-----------|---------------------------|-----------|-------------|----------|-----------------|-------------------|----------------|--------|------------|---------|------------|------------|
| | | Dissolved | Nitrite and | | Total | Ferrous | Dissolved | | | | | |
| | | Oxygen | Nitrate | Sulfate | | Iron | Manganese | | Chloride | | Ethane | Ethene |
| Well | Date | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (µg/L) | (µg/L) | (µg/L) |
| 388 | Oct-13 | 0.24 | _ | 140 | | 7- | 77_ | - | 77- | - | | - |
| | May-13 | 1.41 | | 130 | | 1- | 77/ | _ | -0_ | _ | _ | - |
| | Oct-12 | 0.22 | < 0.50 | 110 | | 1/- | ()= | _ | | 880 | 1.5 | 0.64 |
| | Apr-12 | 0.49 | _ | 120 | | 7,5 | | _ | -57 | 1,100 | 1.4 | 0.53 |
| | Oct-11 Oct-10 | 0.38 | | _ | _ | - | - | | | | - | _ |
| | Oct-10 | 3.30 | | _ | _ | | - | _ | _ | | _ | _ |
| | Oct-09 | 4.7 | - | _ | _ | _ | _ | _ | _ | _ | | _ |
| | OCI-00 | 4.1 | | _ | | ne B1 Aguifer We | | | _ | | _ | |
| T-7B | Oct-13 | 0.34 | _ | _ | _ | | _ | _ | - | _ | _ | _ |
| Date Con- | Oct-11 | 0.41 | 8.4 | 97 | _ | 0 — | o+ | _ | | 340/330 | 0.15/0.19 | 0.22/0.20 |
| | Oct-10 | 0.37 | - | - | _ | - | _ | _ | - | - | - | - |
| | Oct-09 | 0.00 | _ | _ | _ | - | _ | _ | _ | _ | _ | _ |
| | Aug-01 | 0.24 | 7.4 | 230 | 0.49 | <1.0 | 0.13 | <2.0 | 59 | 16 | 0.027 | 0.13 |
| | Jun-01 | 0.00 | < 0.05 | 260 | 0.14 | <1.0 | 0.024 | <2.0 | 74 | 13 | 0.014 | 0.22 |
| | Apr-01 | 0.00 | 8.0 | 240 | 0.37 | <1.0 | 0.23 | <2.0 | 67 | 41 | 0.046 | 0.30 |
| | Feb-01 | 0.34 | 9.1 | 240 | 0.60 | <1.0 | 0.37 | <2.0 | 66 | 100 | 0.059 | 0.61 |
| | Dec-00 | 0.00 | <0.1 | 22 | 0.88 | <1.0 | 0.18 | <2.0 | 44 | 38 | 0.008 | 0.19 |
| | Nov-00 | 1.86 | 13 | 44 | 0.43 | <1.0 | < 0.01 | <2.0 | 23 | 7.2 | < 0.005 | 0.030 |
| | Sep-00 | 0.11 | 19 | 330 | 0.37 | <1.0 | 0.15 | <2.0 | 110 | + | | |
| | Oct-99 | 0.01 | 1.4 | 250 | 0.03 | <1.0 | 0.04 | <2.0 | 68 | 50 | 0.049 | 0.25 |
| T-2B | Oct-13 | 0.33 | - | 220 | - | | (ii— | - | - | 5,500 | 17 | 52 |
| | May-13 | 1.46 | 197111 | 230 | _ | _ | # - | _ | 4 | 4,900 | 20 | 40 |
| | Oct-12 | 0.38 | 0.27 J | 200 | _ | 11 | 94- | _ | 31- | 4,900 | 19 | 70 |
| | Apr-12 | 0.58 | | 190 | _ | _ | : i- | _ | -34 | 7,000 | 44 | 60 |
| | Oct-11 | 0.27 | _ | | - | 4- | 5 — | _ | 3 | 9,800 | 53 | 150 |
| | May-11 | 0.25 | _ | - | | ñã. | 33 | _ | - | 6,000 | 21 | 130 |
| | Mar-11 | 0.09 | _ | | _ | - | 31— | - | 91- | 15,000 | 54 | 540 |
| | 11/15/2010 ^(b) | 2.4 | _ | 107 | U | | 0. | _ | 47 | 11,000 | 21 | 210 |
| | 10/20/2010 ^(c) | 6.77 | _ | - | - | - | 9. | _ | 5: | - | _ | _ |
| | 10/12/2010 ^(d) | 6.82 | - | + | + | <u></u> <u></u> ⊕ | 9F- | _ | :3:- | 12,000 | 21 | 140 |
| | Oct-09 | 0.63 | ı | + | :- | 1 | ♦— | - | + | 8,900 | 45 | 760 |
| | Oct-08 | 0 | 4 | _ | _ | _ | _ | _ | - | 12,000 | 26 | 84 |
| | Oct-07 | 0.00 | 7 | | 11- | 84- | = | - | _ | 18,000 | 57 | 120 |
| | Apr-07 | 0.00 | _ | - | - | 91- | - | - | _ | 12,000 | 50 | 47 |
| | Oct-06 | 2.73 | - | - | _ | - | | | | 19,000 | 120 | 210 |
| | Apr-06 | 0.00 | | - | 1 | 4 | 14- | _ | 24- | 11,000 | 63 | 97 |
| | Jan-06 | - | | - | | _ | 34- | _ | | 18,000 | 110 | 290 |
| | Oct-05 | 0.28 | | 150 | 144 | 14 | - 11 | _ | 79 | 19,000 | 110 | 400 |
| | Jul-05 | 0.26 | | 150 | - | 19 | 3- | | 93 | 21,000 | 150 | 390 |
| | Apr-05 | 0.24 | _ | 130 | - 14 | 14 | 31— | | 96 | 18,000 | 99 | 720 |
| | Jan-05 | 0.10 | | 68 22 | 477 | <1.0 29 | 2.1 | _ | 85 | 13,000 | 140 210 | 320 |
| | Oct-04 Apr-04 | 0.00 | | 6.3 | | 23 | 2.1 | _ | <1.0 84 | 14,000 | 260 | 310 160 |
| | Jan-04 | 0.00 | | <1.0 | | 27 | 2.6 | _ | 120 | 13,000 | 420 | 120 |
| | Oct-03 | 0.00 | | <1.0 | - | 35 | 3.0 | _ | 92 | 14,000 | 390 | 120 |
| | Jul-03 | 0.00 | | 4.3 | | 42 | 3.0 | _ | 88 | 14,000 | 370 | 170 |
| | Apr-03 | 0.00 | | 3.9 | < 0.050 | 50 | 0.60 | _ | 88 | 12,000 | 180 | 170 |
| | Jan-03 | 0.61 | | 4.2 | 1.7 | 44 | 4.5 | _ | 85 | 15,000 | 160 | 260 |
| | Oct-02 | 0.00 | 1.3 | 4.5 | 43 | 48 | 5.3 | <2.0 | 79 | 3,300 | 20 | 150 |
| | Jul-02 | - 0.00 | 10 | 5.7 | 55 | - | - | - | 82 | 6,000 | 65 | 700 |
| | Apr-02 | 1.22 | 3.0 | 32 | 110 | 80 | 16 | <2.0 | 77 | 1,100 | 0.037 | 55 |
| | Jan-02 | 0.73 | 1.5 | 4.0 | 78 | 45 | 10 | <2.0 | 89 | 9,600 | 0.24 | 1,200 |
| | Oct-01 | 0.00 | <0.10 | 1.2 | 190 | 190 | 17 | <2.0 | 110 | 6,000 | 0.18 | 980 |
| | Aug-01 | 2.14 | 2.1 | 4.9 | 140 | 130 | 13 | <2.0 | 100 | 1,700 | 0.24 | 840 |
| | Jun-01 | 0.00 | 0.10 | 67 | 20 | 22 | 2.7 | <2.0 | 67 | 430 | 0.019 | 130 |
| | Apr-01 | 0.00 | <0.10 | 61 | 15 | 15 | 1.8 | <2.0 | 60 | 1,400 | 0.068 | 450 |
| | Feb-01 | 0.55 | 0.98 | 46 | 24 | 25 | 1.6 | <2.0 | 80 | 730 | 0.11 | 470 |
| | Dec-00 | 0.00 | 1.6 | <1.0 | 32 | 29 | 1.9 | <2.0 | 77 | 180 | 0.14 | 120 |
| | Nov-00 | 0.00 | <0.1 | <1.0 | 3.4 | 3.2 | 11 | 6.9 | 66 | 2.2 | 0.048 | 16 |
| | Oct-00 | 0.01 | <0.1 | 270 | 1.2 | <1.0 | 0.56 | <2.0 | 73 | 1.0 | 0.065 | 16 |
| | Nov-99 | 0.24 | 1.2 | 290 | 0.44 | <1.0 | 0.28 | <2.0 | 75 | 1.2 | 0.076 | 21 |

| | | I E | lectron Acc | eptors | | | | Metabo | lic By-Pro | ducts | | |
|--------------|------------------|---------------------|------------------------|------------|--------------|----------------------|------------------------|----------------|-------------------|----------------|----------------|--------------|
| Mall | Data | Dissolved Oxygen | Nitrite and Nitrate | Sulfate | | Ferrous Iron | Dissolved Manganese | Sulfide | Chloride | Methane | Ethane | Ethene |
| Well T-8B | Oct-13 | (mg/L) 0.28 | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (µg/L) | (µg/L) | (µg/L) |
| 1-00 | Oct-12 | 0.33 | <0.50 | 180 | _ | | _ | _ | _ | 1,000 | 0.088 | 0.27 |
| | Oct-11 | 0.1 | - | - | _ | _ | _ | - | _ | 840 | 0.094 | 0.450 |
| | Oct-10 | 0.31 | -(1- | _ | _ | _ | _ | () | _ | 1,900 | 0.220 | 1.300 |
| | Oct-09 | 3.96 | 4/- | _ | _ | _ | _ | <u>.</u> | _ | 490 | 0.081 | 0.045 |
| | Oct-08 | 0 | 3:- | _ | _ | _ | | _ | _ | 2,300 | 0.44 | 2.6 |
| | Oct-07 | 2.41 | _ | 210 | - | 0.5 | - 5 | _ | 70 | 3,000 | 0.065 | 0.58 |
| | Apr-07 | 1.03 | - | 200 | - | 2.5 | = | - | 86 | 3,400 | 0.36 | 0.85 |
| | Jan-07 Oct-06 | 0.00 1.62 | _ | 190 220 | _ | <1.0 2.3 | - | _ | 62 70 | 3,500 3,300 | 0.25 0.072 | 0.95 0.73 |
| | Jul-06 | 0.21 | _ | 270 | | 3.5 | _ | | 62 | 4,000 | 0.072 | 0.73 |
| | Apr-06 | 0.00 | _ | 240 | _ | 1.9 | 2-E | _ | 65 | 5,100 | 0.46 | 3.5 |
| | Jan-06 | 5.89 | _ | 190 | _ | 1.8 | | _ | 58 | 3,000 | 0.19 | 3.1 |
| | Oct-05 | 0.00 | _ | 200 | _ | 2.2 | | _ | 69 | 3,000 | 0.44 | 3.4 |
| | Jul-05 | 0.36 | 1.6 | 230 | + | <1.0 | 0.91 | _ | 68 | 4,500 | 0.50 | 8.0 |
| | Apr-05 | 0.09 | _ | 210 | - | - | - | _ | 66 | 1 | _ | _ |
| | Oct-04 | 0.00 | - | - | _ | _ | | | - | | _ | _ |
| | Apr-04 | 0.00 | < 0.50 | 190 | + | (- | :- | _ | 62 | 3,600 | 0.19 | 7.0 |
| | Oct-03 Oct-02 | 0.00 | 4.3 | 200 | 8.6 | 1.6 | 0.85 | <2.0 | <1.0 | 580 | 0.025 | 7.5 |
| | Jul-02 | 0.00 | <0.10 | 190 | 10 | 1.0 | 0.05 | <2.0 | 64 | 3,300 | 0.025 | 33 |
| | Mar-02 | 0.05 | | 220 | 3.6 | _ | 0.77 | <2.0 | 66 | 580 | 0.014 | 9.5 |
| | Jan-02 | 0.83 | <0.10 | 210 | 4.0 | 2.2 | 0.82 | <2.0 | 67 | 1,400 | 0.008 | 21 |
| | Oct-01 | 0.00 | 2.6 | 200 | 3.7 | 2.1 | 0.70 | <2.0 | 74 | 890 | < 0.005 | 15 |
| | Aug-01 | 0.16 | 0.28 | 290 | 3.9 | 2.7 | 0.65 | <2.0 | 81 | 600 | < 0.005 | 12 |
| | Jun-01 | 0.00 | 0.49 | 270 | 5.6 | 1.9 | 0.68 | <2.0 | 89 | 1,400 | < 0.005 | 13 |
| | Apr-01 | 0.00 | 6.5 | 250 | 5.0 | 4.3 | 1.4 | <2.0 | 75 | 2,200 | < 0.005 | 27 |
| | Feb-01 | 0.29 | 5.7 | 210 | 7.0 | 7.2 | 1.5 | <2.0 | 72 | 610 | 0.016 | 11 |
| | Dec-00 Nov-00 | 0.07 | 0.62 1.6 | 220 220 | 0.82 3.0 | <1.0 2.9 | 7.4 1.1 | <2.0 | 62 70 | 71 | 0.032 0.037 | 2.5 |
| | Oct-00 | 0.10 | 1.6 | 280 | 0.058 | <1.0 | 0.43 | <2.0 <2.0 | 72 | 1.3 | 0.037 | 2.0 0.84 |
| | Oct-99 | 3.35 | 4.3 | 300 | <0.02 | <1.0 | 0.43 | <2.0 | 73 | 0.32 | 0.029 | 1.5 |
| T-9B | Oct-13 | 0.64 | - | _ | | - | 0.12 | - | - | 0.52 | 0.000 | - |
| In many | Oct-12 | 0.43 | 0.20 J | 190 | ₩. | 11/2 | 17/ | _ | 70_ | 580 | 0.83 | 0.34 |
| | Oct-11 | 0.43 | _ | _ | _ | _ | - | _ | _ | _ | _ | _ |
| | Oct-10 | 0.25 | _ | _ | - | _ | - | _ | - | - | _ | _ |
| T 40D | Oct-09 | 0.00 | _ | - | | _ | - | _ | | _ | _ | _ |
| T-10B | Oct-13 | 3.32 | -0.50 | 470 | _ | _ | _ | _ | _ | - 000 | - 4.0 | - 0.24 |
| | Oct-12 Oct-11 | 0.27 0.11 | <0.50 | 170 | - | = | - | _ | - 22 | 990 1,400 | 1.6 1.800 | 0.31 |
| | Oct-10 | 0.30 | _ | _ | = | | | H = | - 67 - | 1,700 | 1.200 | 0.360 |
| | Oct-09 | 3.7 | _ | _ | - | 25 2 - | - | _ | 22- | 1,700 | 0.710 | 0.730 |
| | Oct-08 | - | _ | _ | _ | _ | - | - | _ | 4,000 | 1.6 | 1.4 |
| | Jan-16 | _ | _ | 90 | _ | <1.0 | 99 | - | 60 | 6,000 | 4.2 | 0.32 |
| | Oct-07 | 0.00 | 1-3 | 210 | - | <1.0 | Ξ | _ | 81 | 3,000 | 0.93 | 0.450 |
| | Jul-07 | 0.00 | - 1 | JE. | - 1 | 3= | = | _ | | 1,500 | 0.66 | 0.480 |
| | Apr-07 | 0.00 | - | 250 | 100 | <1.0 | - | _ | 94 | 1,700 | 0.71 | 0.220 |
| | Oct-06 Jul-06 | 1.47 0.18 | _ | 220 240 | _ | <1.0 <1.0 | i – | _ | 76 64 | 3,600 6,100 | 0.7 | 0.044 |
| | Apr-06 | 0.00 | | 200 | | <1.0 | 9- | _ | 69 | 10,000 | 2.0 | 0.18 |
| | Oct-05 | 0.00 | _ | 110 | _ | <1.0 | (0- | _ | 69 | 2,900 | 5.7 | 2.9 |
| T-4B | Oct-13 | 3.26 | _ | - | _ | _ | - | _ | - | _ | - | _ |
| | Oct-12 | 1.18 | _ | _ | _ | | _ | _ | - | | 1.77 300000 | |
| | Oct-11 | 0.65 | _ | ÷ | ÷ | <u>4</u> — | (⊢ | _ | ÷- | 3.500 | 0.080 | 0.220 |
| | Oct-10 | 1.11 | _ | | 112 | - | \$! | _ | 35 | 2.900 | 0.078 | 0.200 |
| | Oct-09 | 3.82 | - | - | 100 | - | 84- | - | 3- | 2.500 | 0.089 | 1.400 |
| | Oct-08 Oct-07 | 0.65 | - | 200 | | <1.0 | | - | 68 | 1.5 | 0.096 0.120 | 0.2 |
| | Jul-07 | 0.00 | _ | 200 | = | - | = = | _ | - 00 | L. L | 0.120 | 0.400 |
| | May-07 | 8.33 | _ | = | = | %_ | = | _ | = | 0.89 | 0.092 | 0.084 |
| | Oct-06 | 3.22 | - | _ | _ | | N= | _ | 9= | 2.1 | 0.12 | 0.4 |
| | Apr-06 | 0.54 | _ | | | <u> </u> | 34— | _ | J. | 13 | 0.13 | 0.18 |
| | Jan-06 | | _ | 100 | 47 | 272 | 17 | _ | W_ | 17 | 0.20 | 0.31 |
| | Oct-05 | 0.00 | - | 200 | _ | <1.0 | _ | _ | 71 | 4.5 | 0.12 | 0.16 |
| | Jul-05 | 0.68 | 1.0 | 220 | | <1.0 | 0.49 | _ | 76 | 1.6 | 0.14 | 0.20 |
| | Apr-05 Jan-05 | 0.16 | _ | 200 | - | | - | _ | 60 | (22 | | _ |
| | Oct-04 | U.21 — | 1.3 | 200 | _ | 7. | _ | _ | 69 | | _ | |
| | Apr-04 | 0.00 | 1.1 | 200 | - | <1.0 | - | _ | 65 | 2.1 | 0.088 | 0.079 |
| | Jan-04 | 0.00 | 1.1 | | _ | <1.0 | | - | 84 | 3.6 | 0.20 | 0.13 |
| | Oct-99 | 0.42 | < 0.05 | 280 | 0.3 | <1.0 | 0.32 | 2.4 | 74 | 1.1 | 0.15 | 0.062 |

| | | F | lectron Acc | ontore | | | | Motabo | lic By-Pro | ducte | | |
|-------|--------|--|-------------|---------|--------|-------------------|-----------|---------|------------|---------|--------|--------|
| | | | Nitrite and | cpiois | Total | Ferrous | Dissolved | WIECODO | IC Dy-I IO | uucis | | |
| | | Contract of the contract of th | Nitrate | Sulfate | Iron | Iron | Manganese | Sulfido | Chlorido | Methane | Ethane | Ethene |
| Well | Date | Oxygen (mg/L) | (ma/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (µq/L) | (µg/L) | (µq/L) |
| T-5B | Oct-13 | 0.25 | (mg/L) | (mg/c) | (mg/c) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (highe) | | (pg/L) |
| 1-30 | Oct-12 | 0.23 | | _ | | _ | _ | _ | | | | _ |
| | Oct-12 | 0.41 | | - | | _ | _ | _ | | | | _ |
| | Oct-10 | 0.43 | | _ | _ | | _ | _ | | | | |
| | Oct-10 | 4.63 | | _ | | | _ | _ | | | | |
| T-17B | Oct-13 | 0.77 | | 150 | | | | _ | | 170 | 2.0 | 0.61 |
| 1-110 | May-13 | 0.35 | _ | 140 | | | _ | | | 140 | 2.1 | 0.84 |
| | Oct-12 | 0.29 | < 0.50 | 130 | _ | | _ | _ | | 190 | 2.8 | 1.7 |
| | Apr-12 | 0.46 | | 140 | _ | _ | _ | | | 4.7 | 1.6 | 0.90 |
| l : | Oct-11 | 0.15 | _ | - | _ | _ | _ | _ | _ | 1.600 | 0.054 | 0.043 |
| l | Oct-10 | 0.27 | _ | _ | | _ | _ | | | 0.860 | 0.030 | 0.061 |
| l | Oct-09 | 3.23 | _ | _ | | _ | _ | | _ | 2.9 | 0.045 | 0.070 |
| l t | Oct-08 | 8.18 | _ | _ | | _ | _ | _ | | 8.7 | 0.11 | 0.039 |
| | Oct-07 | 0.00 | _ | 150 | | < 0.05 | _ | _ | 72 | 2.0 | 0.052 | 0.300 |
| | Jul-07 | 0.00 | - | _ | | - | _ | _ | - | | - | _ |
| | May-07 | 0.00 | | | | _ | | _ | _ | 1.9 | 0.093 | 0.056 |
| | Oct-06 | 3.15 | _ | _ | _ | | _ | _ | _ | 1.2 | 0.056 | 0.028 |
| | Jul-06 | 0.23 | _ | _ | _ | _ | _ | _ | _ | | 0.000 | 0.020 |
| | Apr-06 | 0.00 | _ | _ | _ | _ | _ | _ | _ | 7.0 | 0.078 | 0.13 |
| | Jan-06 | 5.35 | _ | _ | _ | _ | _ | _ | | 5.0 | 0.081 | 0.11 |
| T-18B | Oct-13 | 0.72 | _ | _ | _ | _ | - | _ | _ | - | - | - |
| | May-13 | 0.17 | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| T-19B | Oct-13 | 0.32 | _ | _ | _ | _ | - | _ | _ | _ | _ | _ |
| | May-13 | 0.13 | _ | _ | _ | | _ | _ | _ | _ | | |
| | , | | | | Zo | ne B2 Aquifer Wel | s | | | | | |
| T-2C | Oct-13 | 6.06 | _ | _ | _ | - | - | _ | _ | _ | _ | _ |
| | Oct-12 | 1.60 | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| | Oct-11 | 0.88 | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| l [| Oct-10 | 6.31 | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| [| Oct-09 | 0.00 | ı | - | - | | _ | _ | - | - | | _ |
| | Oct-08 | 1.65 | _ | _ | _ | _ | - | _ | _ | _ | _ | _ |
| | Oct-07 | 3.81 | _ | - | _ | _ | - | _ | _ | _ | _ | _ |
| 1000 | Oct-01 | 0.00 | 1.5 | 170 | 0.13 | <1.0 | 0.16 | <2.0 | 70 | 5.0 | 0.069 | 4.0 |
| T-9C | Oct-13 | 0.36 | ı | - | - | 1 | _ | _ | _ | - | - | - |
| | Oct-12 | 0.51 | - | _ | _ | - | _ | _ | _ | _ | - | - |
| | Oct-11 | 0.60 | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| | Oct-10 | 1.32 | _ | _ | _ | - | - | - | _ | _ | - | _ |
| | Oct-09 | 0.00 | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| T-10C | Oct-13 | 0.52 | _ | _ | _ | _ | - | _ | _ | _ | _ | _ |
| | Oct-12 | 3.01 | _ | _ | _ | | _ | _ | _ | _ | _ | |
| | Oct-11 | 0.50 | _ | _ | | _ | _ | _ | _ | _ | _ | |
| | Oct-10 | 0.32 | _ | _ | _ | _ | _ | | _ | _ | _ | _ |
| T 110 | Oct-09 | 4.48 | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| T-11C | Oct-13 | 0.24 | | _ | _ | _ | _ | _ | _ | _ | | _ |
| | Oct-12 | 0.42 | _ | _ | | _ | _ | _ | | _ | _ | |
| | Oct-11 | 0.55 | _ | _ | _ | _ | | _ | _ | _ | | |
| | Oct-10 | 0.39 | _ | _ | _ | _ | _ | _ | _ | _ | | _ |
| T 430 | Oct-09 | 0.27 | _ | _ | _ | | _ | - | _ | _ | | _ |
| T-12C | Oct-13 | 0.34 | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| | Oct-12 | 1.70 | _ | _ | _ | | _ | _ | _ | _ | _ | |
| | Oct-11 | 0.42 | | _ | _ | | _ | _ | _ | _ | _ | _ |
| | Oct-10 | 0.86 | _ | _ | _ | _ | - | - | | _ | _ | _ |
| | Oct-09 | 6.21 | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |

Notes:

(a) One month post EVO injection (just before pure soybean oil injection)
(b) Immediately after EVO injection
(c) Immediately before EVO injection
mg/L = milligram per liter
µg/L = microgram per liter
— = not analyzed/measured

Historic Groundwater Dechlorinating Microbe Results Former TRW Microwave Facility 825 Stewart Drive, Sunnyvale, California

| | | Dechlorinating Microbes | Dec | hlorinating Ge | nes |
|---------|------------|-------------------------------|----------------|----------------|-------------|
| | | Dehalococcodies type Microbes | tceA | bvcA | vcrA |
| Well | Date | C | ells/mL | | |
| Eductor | 10/17/2013 | 1.47E+01 | - | | - |
| | 10/17/2012 | 4.88E+02 | 2.06E+02 | 3.20E+00 | 1.80E+00(J) |
| | 10/17/2011 | 8.35E+01 | 3.39E+01 | 9.00E-01 (J) | 5.80E+00 |
| | 10/13/2010 | 2.78E+06 | 1.62E+06 | 5.54E+05 | 4.03E+05 |
| | 10/8/2009 | 3.49E+04 | 9.10E+03 | 7.86E+03 | 2.12E+03 |
| | 10/21/2008 | 2.89E+05 | | | |
| | 4/30/2007 | 4.04E+05 | | | |
| | 10/17/2006 | 1.10E+06 | | | |
| | 4/13/2006 | 5.92E+04 | | | |
| | 9/12/2005 | 5.64E+04 | | | |
| T-2A | 10/17/2013 | 6.22E+02 | 211 | | 44 |
| | 10/17/2012 | 1.23E+05 | 3.09E+04 | 1.29E+02 | 1.65E+04 |
| | 10/17/2011 | 2.67E+05 | 1.26E+05 | 6.08E+02 | 1.54E+05 |
| | 10/13/210 | 1.10E+03 | 1.12E+02 | 1.42E+02 | 7.86E+02 |
| | 10/8/2009 | 5.87E+02 | 2.01E+01 | 6.29E+01 | 5.28E+02 |
| | 10/21/2008 | 6.69E+02 | - - | | |
| | 4/9/2008 | 2.26E+02 | 1.65E+01 | 3.93E+00 | 2.73E+02 |
| T-2B | 10/17/2013 | 4.93E+01 | | - | |
| | 10/17/2012 | 8.48E+02 | 4.00E+02 | 3.30E+00 | 4.86E+01 |
| T-7A | 10/17/2012 | 2.39E+03 | 2.34E+01 | 1.78E+01 | <5.00E-01 |
| | 10/17/2012 | 2.30E+03 | 8.10E+00 | 1.64E+01 | <5.00E-01 |
| T-7B | 10/16/2012 | 9.06E+02 | 6.00E-01 | 2.10E+00 | 3.52E+01 |
| | 10/16/2012 | 6.93E+02 | 1.80E+00 | 2.70E+00 | 2.32E+01 |
| T-8A | 10/15/2012 | 6.30E+01 | 1.12E+01 | 8.20E+00 | 1.60E+00 |
| | 10/21/2008 | 1.52E+02 | - | 40 | |
| | 4/9/2008 | 1.35E+02 | 1.19E+01 | 1.21E+01 | 1.29E+02 |
| | 10/10/2007 | 9.48E+03 | 20 | | 44// |
| | 4/30/2007 | 3.50E+00 | 222 | 420 | 444 |
| | 10/16/2006 | 2.29E+02 | | | <u> </u> |
| | 4/13/2006 | 1.38E+03 | - | | -Ti |
| | 11/7/2005 | 1.01E+02 | - | | - |
| T-9A | 10/16/2012 | 3.45E+01 | 2.43E+01 | <5.00E-01 | 1.00E+00 |
| T-9B | 10/16/2012 | 1.02E+04 | 5.72E+02 | 5.47E+02 | 1.74E+02 |
| T-10B | 10/16/2012 | 1.00E+00(J) | <5.00E-01 | <5.00E-01 | <5.00E-01 |
| T-13A | 10/17/2013 | 6.97E+02 | | | 7.7 |
| | 10/15/2012 | 4.70E+03 | 4.36E+03 | 1.40E+03 | 1.03E+03 |
| | 10/21/2008 | 3.08E+01 | | | 777 |
| | 4/9/2008 | 7.65E+00 | 5.80E-01 | 1.07E+01 | 9.45E+00 |
| | 10/10/2007 | <4.17E+00 | | | - |
| | 4/30/2007 | <4.95E-01 | 22 | | |
| | 10/16/2006 | 5.54E+00 | | | |
| | 4/13/2006 | 5.48E+01 | | 4 | 147 |
| | 11/7/2005 | 6.45E-01 | | | |
| T-14A | 11/7/2005 | 1.69E+01 | 20 | <u> </u> | |
| T-15A | 10/16/2012 | <5.00E-01 | <5.00E-01 | <5.00E-01 | <5.00E-01 |
| | 5/1/2007 | 1.59E+01 | - - | | - |
| | 10/17/2006 | 1.01E+03 | - - | - | - |
| | 4/13/2006 | 1.21E+04 | | | 77 |

Historic Groundwater Dechlorinating Microbe Results Former TRW Microwave Facility 825 Stewart Drive, Sunnyvale, California

| | | Dechlorinating Microbes | Dec | hlorinating Ge | nes |
|-------|------------|-------------------------------|------------|----------------|-----------|
| | | Dehalococcodies type Microbes | tceA | bvcA | vcrA |
| Well | Date | c | ells/mL | | |
| T-17A | 10/15/2012 | 2.00E-01(J) | <5.00E-01 | <5.00E-01 | <5.00E-01 |
| T-17B | 10/15/2012 | 3.35E+01 | <5.00E-01 | <5.00E-01 | <5.00E-01 |
| T-19A | 10/17/2013 | 1.20E+01 | | | - |
| | 10/15/2012 | 3.34E+02 | 2.91E+01 | 4.66E+01 | 1.41E+01 |
| | 10/17/2011 | 4.15E+03 | 7.59E+02 | 2.64E+02 | 8.23E+02 |
| | 4/9/2008 | 1.33E+03 | 2.38E+02 | 3.53E+02 | 1.01E+03 |
| | 10/10/2007 | <4.35E+00 | | | |
| T-23A | 10/17/2013 | 2.33E+03 | | | |
| | 10/15/2012 | 2.25E+02 | 3.09E+01 | 5.90E+00 | 1.12E+01 |
| | 10/21/2008 | 2.72E+01 | <u> </u> | | |
| | 4/9/2008 | 2.11E+01 | 2.31E+00 | 1.00E+01 | 1.92E+01 |
| | 10/10/2007 | <1.49E+00 | | | |
| T-25A | 10/21/2008 | 3.77E+02 | <u>v.u</u> | 4-7 | <u> </u> |
| | 4/9/2008 | 1.65E+02 | 2.79E+01 | 1.65E+01 | 1.27E+02 |
| | 10/10/2007 | 1.10E+00 | <u></u> - | - - | _ |
| T-2B | 10/17/2011 | 5.20E+03 | 2.46E+03 | 4.07E+01 | 2.76E+03 |
| T-8B | 10/16/2012 | 4.14E+01 | 4.90E+00 | 4.60E+00 | <4.00E-01 |
| | 4/30/2007 | 8.77E+00 | | | |
| | 10/17/2006 | 1.21E+02 | | | |
| | 4/13/2006 | 4.43E+00 | | | |
| 38S | 10/16/2012 | 1.19E+03 | 5.20E+01 | 6.40E+01 | 3.10E+00 |

Notes: cells/mL = cells per milliliter DUP = duplicate sample

Compound-Specific Stable Carbon Isotope Analysis Results Former TRW Microwave Facility 825 Stewart Drive, Sunnyvale, California

| | | Conc | entration (µ | ıg/L) | 7 | 5 ¹³ C (⁰ / ₀₀) | |
|---|------------------|---------|--------------|--------|--------|--|-------------------|
| Well | Date | TCE | cDCE | VC | TCE | cDCE | VC |
| T-7A | 10/16/2013 | 190 | 80 | | -21.58 | -22.72 | 721 |
| | 10/16/2013 (Dup) | 190 | 82 | | -21.82 | -22.86 | 7/7/ |
| | 10/17/2012 | 70.0 | 270 | | -21.88 | -22.28 | -17 2. |
| | 10/19/2011 | 120 | 150 | 2 J | -22.44 | -22.27 | -12.91 |
| | 10/20/2008 | 400 | 70 | | -21.99 | -23.24 | 440 |
| | 4/10/2008 | 200 | 80 | | -21.92 | -22.38 | |
| | 10/9/2007 | 400 | 90 | | -22.17 | -23.03 | - 1 3 |
| | 5/1/2007 | 300 | 70 | | -22.67 | -21.54 | |
| Eductor | 10/17/2013 | 5,800 | 60,000 | | -18.77 | -24.33 | |
| | 10/17/2012 | 830 | 67,000 | 6,000 | -16.82 | -25.76 | -26.16 |
| | 10/17/2011 | 45 | 8,900 | 1,700 | -18.46 | -25.31 | -28.99 |
| | 10/12/2010 | 4,000 J | 100,000 | 91,000 | NE* | -18.96 | -27.05 |
| | 10/8/2009 | 30 | 80,000 | | NE* | -21.21 | |
| | 10/21/2008 | 100,000 | 20,000 | | -25.37 | -19.39 | 427 |
| | 4/9/2008 | 30,000 | 9,000 | | -25.43 | -18.12 | |
| | 11/21/2007 | <1,000 | 30,000 | | -21.41 | -14.95 | |
| | 4/30/2007 | 6 | 30,000 | | NE* | -9.07 | |
| T-2A | 10/17/2013 | 0.9 J | 250 | | -16.17 | -3.23 | -1- |
| | 10/17/2012 | 0.5 J | 130 | 120 | | -6.42 | -18.47 |
| | 10/17/2011 | 0.4 J | 12 | 16 | -18.85 | 2.21 | -6.29 |
| | 10/12/2010 | 4 J | 10,000 | 13,000 | NE* | -11.85 | -29.73 |
| | 10/8/2009 | 2 JM | 1,000 M | | NE* | -14.14 | |
| | 10/21/2008 | 6 | 100 | | -15.34 | -11.32 | -21 |
| | 4/9/2008 | <5 | 100 | | -17.89 | -11.87 | |
| | 10/9/2007 | <5 | 700 | | NE* | -18.08 | - |
| | 4/30/2007 | <5 | 200 | | -9.65 | -12.61 | |
| T-3A | 10/15/2013 | 150 | 66 | | -21.65 | -21.80 | |
| * * *********************************** | 11/16/2011 | 150 | 45 | | -22.5 | -24.06 | <u> 111</u> 0 |
| | 10/20/2008 | 200 | 9 | | -22.91 | -24.23 | |
| | 4/10/2008 | 100 | 6 | | -22.60 | -23.95 | |
| | 10/9/2007 | 210 | 20 | | -22.68 | -25.00 | |
| | 5/1/2007 | 300 | 40 | | -22.82 | -22.45 | |
| T-8A | 10/16/2013 | 140 | 80 | | -21.95 | -20.67 | 2027 |
| | 10/15/2012 | 140 | 81 | | -22.19 | -20.97 | 7.7 |
| | 10/18/2011 | 120 | 58 | 1.8J | -22,29 | -20.5 | -33.06 |
| | 10/21/2008 | 100 | 30 | | -22.06 | -20.58 | -44 |
| | 4/9/2008 | 20 | 7 | | -21.61 | -14.99 | 441 |
| | 10/10/2007 | 90 | 80 | | -21.82 | -17.45 | 117.0 s |
| | 4/30/2007 | 200 | 60 | | -21.81 | -20.23 | === |
| T-16A | 5/1/2007 | 100 | 60 | | -22.46 | -18.12 | |
| T-6A | 5/1/2007 | 10 | 20 | | -21.18 | -24.28 | +141 |
| T-9A | 10/15/2013 | 56 | 70 | | -22.05 | -16.47 | 23 |
| | 10/16/2012 | 56.0 | 96 | | -22.81 | -20.22 | 700 0 |
| | 10/19/2011 | 78 | 110 | 3.9J | -22.95 | -19.83 | -25.57 |
| | 10/21/2008 | 70 | 100 | | -22.67 | -17.58 | |
| | 4/10/2008 | 60 | 100 | | -22.43 | -22.38 | -12 |
| | 5/1/2007 | 100 | 80 | | -23.08 | -19.43 | |

Compound-Specific Stable Carbon Isotope Analysis Results Former TRW Microwave Facility 825 Stewart Drive, Sunnyvale, California

| | | Conc | entration (µ | g/L) | - 7 | 5 ¹³ C (0 / 00) |) |
|-------|------------|----------|--------------|------|--------|----------------------------|------------------|
| Well | Date | TCE | cDCE | VC | TCE | cDCE | VC |
| T-13A | 10/17/2013 | 1.3 J | 54 | | -11.47 | -1.86 | 22 |
| | 10/15/2012 | 1.9 J | 23 | 30 | | 9.45 | -0.93 |
| | 10/19/2011 | 63 | 62 | 15 | -22.09 | -15.39 | -25.31 |
| | 10/23/2008 | 60 | 20 | | -21.78 | -13.71 | 44/ |
| | 4/9/2008 | <20 | 30 | | -22.20 | -14.32 | 2127 |
| | 10/10/2007 | 50 | 300 | | -20.01 | -22.26 | ===0 |
| T-17A | 10/15/2012 | 96 | 5 | | -22.82 | -23.68 | - |
| T-19A | 10/15/2012 | 1 J | 7.0 | 8 | | 0.73 | -13.25 |
| | 10/17/2011 | 4.7J | 15 | 16 | -17.62 | -2 | -4.94 |
| T-23A | 10/18/2011 | 70 | 43 | 3.8 | -24.74 | -20.85 | -24.78 |
| | 10/23/2008 | 70 | 20 | | -21.75 | -12.26 | 777 |
| | 4/9/2008 | 10 | 30 | | -25.70 | -8.44 | 2. |
| | 10/10/2007 | 200 | 100 | | -21.37 | -23.65 | |
| T-25A | 10/18/2011 | 44 | 45 | 2.9J | -22.84 | -18.37 | -20.85 |
| | 10/23/2008 | 80 | 50 | | -21.58 | -15.91 | -40 |
| | 4/9/2008 | 20 | 40 | | -20.98 | -17.97 | |
| | 10/10/2007 | 70 | 200 | | -22.20 | -21.70 | |
| T-38S | 10/16/2012 | 97 | 200 | 21 | -21.29 | -21.13 | -26.65 |
| T-2B | 10/17/2013 | 0.6 J | 110 | | -12.70 | -6.75 | 227 |
| | 10/17/2012 | 0.8 J | 88.0 | 200 | | -5.03 | -19.4 |
| T-4B | 10/16/2013 | 6 | 480 | | -11.41 | -20.46 | |
| T-5B | 10/16/2013 | 1,400 | 71 | | -20.86 | -23.93 | |
| T-9B | 10/16/2013 | 290 | 190 | | -23.39 | -23.72 | 424 |
| | 10/16/2012 | 130 | 370 | 9 | -23.40 | -25.07 | -21.46 |
| | 10/19/2011 | 89 | 270 | 7.1 | -24.03 | -25.19 | -17.23 |
| T-7B | 10/15/2013 | 180 | 13 | | -18.43 | -18.43 | 110 0 |
| | 10/16/2012 | 190 | 18 | | -22.77 | -17.88 | 440 |
| | 10/18/2011 | 150 | 12 | 1.3 | -23.72 | -18.40 | 227 |
| T-8B | 10/15/2013 | 22 | 230 | | -20.13 | -21.56 | |
| | 10/16/2012 | 28 | 280 | 22 | -20.64 | -21.76 | -29.42 |
| | 10/18/2011 | 20 | 180 | 24 | -21.50 | -21.63 | -29.55 |
| T-10B | 10/15/2013 | 14 | 46 | | -20.20 | -13.82 | |
| | 10/16/2012 | 55 | 160 | 42 | -22.92 | -16.22 | -26.51 |
| T-17B | 10/17/2013 | 150 | 350 | | -21.23 | -20.93 | |
| | 10/15/2012 | 260 | 220 | | -21.34 | -21.95 | |
| T-18B | 10/14/2013 | <5.0 (U) | <5.0 (U) | | -4 | | |
| T-19B | 10/14/2013 | 59 | 2.2 (J) | | -20.78 | -23.63 | 1221 |

* = Concentration too low to quantify carbon-13 ratio µg/L = Microgram per liter

| 0 | 00 = Per mil

J = Estimated value

M = Recovery/RPD poor for MS/MSD, SAMP/DUP

NE = Not estimated

-- = Not Analyzed

Historic Groundwater Fatty Acid Results Former TRW Microwave Facility 825 Stewart Drive, Sunnyvale, California

| March Arter Late | meaning at the | Lactic Acid | Butyric Acid | Pyruvic Acid | Propionic Acid | Acetic Acid |
|--|----------------|-------------|-----------------|--------------|----------------|-------------|
| Well | Date | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
| | | | ne A Aquifer We | | | |
| T-7A | 6/20/2001 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| EDUCTOR | 10/2/2003 | <25 | 77. | | | 190 |
| | 7/16/2003 | 404,000 | | | | 340 |
| | 4/17/2003 | <25 | | | | 720 |
| | 1/23/2003 | <25 | | | | 1,500 |
| | 10/2/2002 | 3,200 | | - | | 1,500 |
| | 7/13/2002 | <25 | 550 | <10 | 460 | 220 |
| | 3/31/2002 | <25 | | | | 780 |
| | 1/23/2002 | 14,000 | 3,700 | 31 | 1,600 | 480 |
| | 11/29/2001 | 2,400 | 2.0 | - | | 480 |
| | 10/4/2001 | 7,500 | 3,700 | 36 | 750 | 400 |
| | 8/1/2001 | 950 | | | | 460 |
| | 6/21/2001 | <25 | | | | 110 |
| T-2A | 10/2/2003 | <25 | | | | <1.0 |
| | 7/16/2003 | <25 | <u>~</u>) | | | <1.0 |
| = = | 4/17/2003 | <25 | 750 | | | 6.3 |
| | 1/23/2003 | <25 | / | | | 32 |
| | 10/2/2002 | <25 | 120 | <10 | 750 | 620 |
| | 7/13/2002 | <25 | | | | 310 |
| | 4/18/2002 | <25 | | | | 170 |
| | 11/29/2001 | <25 | | | | 110 |
| | 10/4/2001 | <25 | | | | 320 |
| | 8/1/2001 | <25 | | | | 320 |
| | 6/21/2001 | <25 | | | | 170 |
| | 3/17/2001 | <25 | 757 | | | 130 |
| | 1/24/2001 | <25 | ==1 | - | | 160 |
| T-8A | 10/21/2008 | <25 | | | | <1.0 |
| | 10/10/2007 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 10/2/2002 | <25 | | | | <1.0 |
| | 7/13/2002 | <25 | | | | <1.0 |
| | 3/31/2002 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 1/23/2002 | <25 | | | | <1.0 |
| | 11/29/2001 | <25 | 220 | | | <1.0 |
| | 10/2/2001 | <25 | <1.0 | <10 | <1.0 | 1.2 |
| | 8/1/2001 | <25 | | | | <1.0 |
| | 6/20/2001 | <25 | | | | <1.0 |
| T-13A | 10/23/2008 | <25 | | | | <1.0 |
| | 10/10/2007 | <25 | | | | 260 |
| T-19A | 10/23/2008 | <25 | <1.0 | 12 | <1.0 | <1.0 |
| | 10/10/2007 | <250 | 1100 | <100 | 880 | 2100 |
| | 9/6/2007 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| T-23A | 10/23/2008 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 10/10/2007 | <25 | 62 | <10 | 37 | 160 |
| | 9/6/2007 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| T-25A | 10/25/2008 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | 10/10/2007 | <25 | <1.0 | <10 | 3.5 | 28 |
| | 9/6/2007 | <25 | <1.0 | <10 | <1.0 | <1.0 |

Historic Groundwater Fatty Acid Results Former TRW Microwave Facility 825 Stewart Drive, Sunnyvale, California

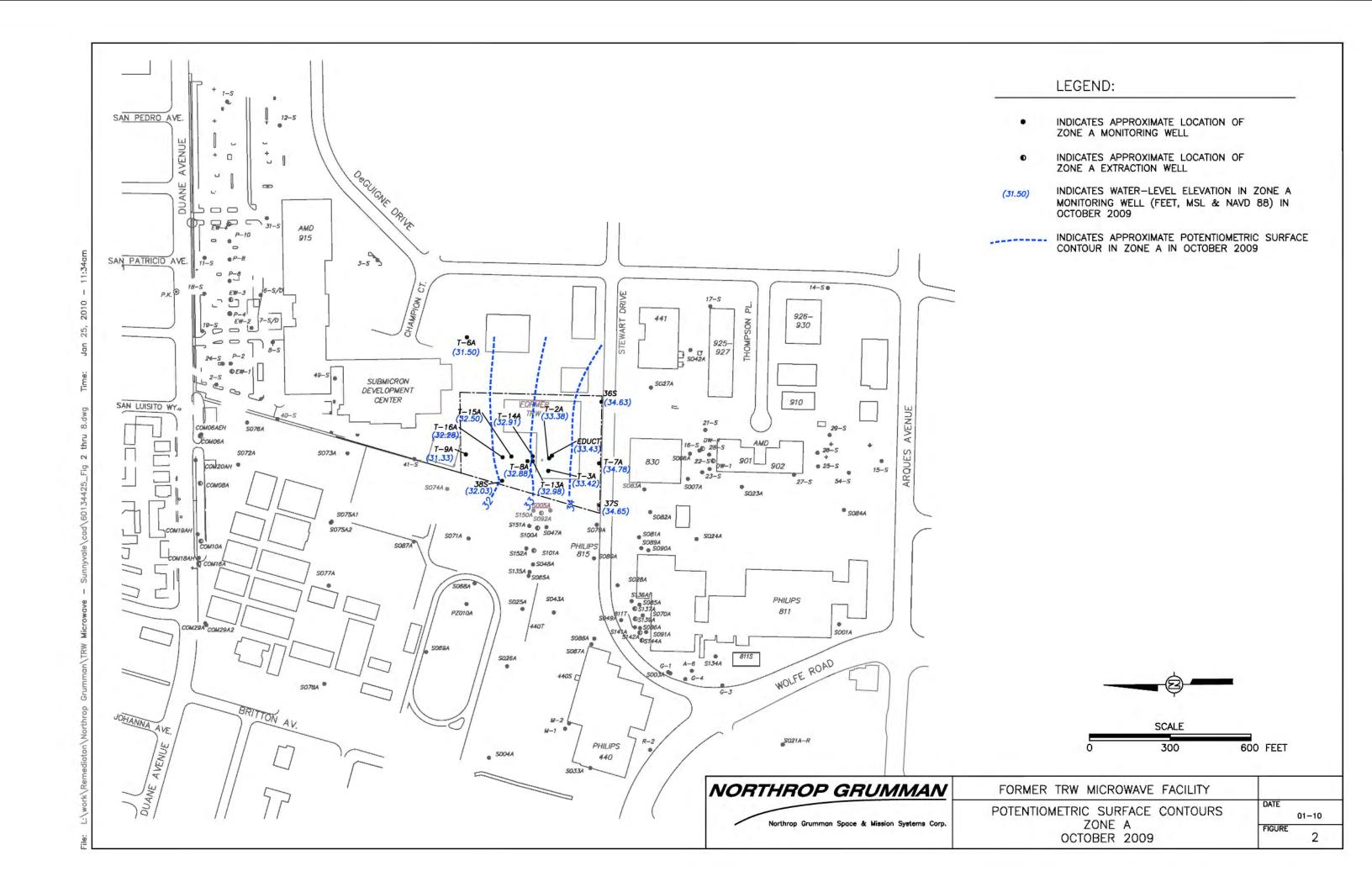
| | | Lactic Acid | Butyric Acid | Pyruvic Acid | Propionic Acid | Acetic Acid |
|------|------------|-------------|-----------------|--------------|----------------|-------------|
| Well | Date | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
| | | | ne B1 Aquifer W | | | |
| T-7B | 8/20/2001 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 6/20/2001 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 4/18/2001 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 2/20/2001 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 12/29/2000 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 11/15/2000 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 9/12/2000 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| T-2B | 10/2/2003 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 7/16/2003 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 4/17/2003 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 1/23/2003 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 10/2/2002 | <25 | 13 | <10 | 130 | 110 |
| | 7/13/2002 | <25 | 120 | <10 | 200 | 200 |
| | 4/18/2002 | <25 | 300 | <10 | 600 | 390 |
| | 1/23/2002 | <25 | 340 | <10 | 580 | 290 |
| | 10/4/2001 | <25 | 860 | <10 | 1,100 | 1,100 |
| | 8/20/2001 | 35 | 570 | <10 | 680 | 580 |
| | 6/21/2001 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 4/18/2001 | <25 | 7.5 | <10 | 52 | 65 |
| | 2/20/2001 | <25 | 58 | <10 | 120 | 160 |
| | 12/29/2000 | <25 | 77 | <10 | 320 | 400 |
| | 11/15/2000 | <25 | 16 | <10 | 180 | 290 |
| | 10/2/2000 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| T-8B | 10/2/2002 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 7/13/2002 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 3/31/2002 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 1/23/2002 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 10/4/2001 | <25 | <1.0 | <10 | <1.0 | 1.7 |
| | 8/20/2001 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 6/20/2001 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 4/18/2001 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | 2/20/2001 | <25 | <1.0 | <10 | 15 | 16 |
| | 12/29/2000 | <25 | <1.0 | <10 | 6.8 | <1.0 |
| | 11/15/2000 | <25 | <1.0 | <10 | 10 | 7.7 |
| | 10/2/2000 | <25 | <1.0 | <10 | <1.0 | <1.0 |
| | | | ne B2 Aquifer W | | | |
| T-2C | 10/4/2001 | <25 | <1.0 | <10 | <1.0 | <1.0 |

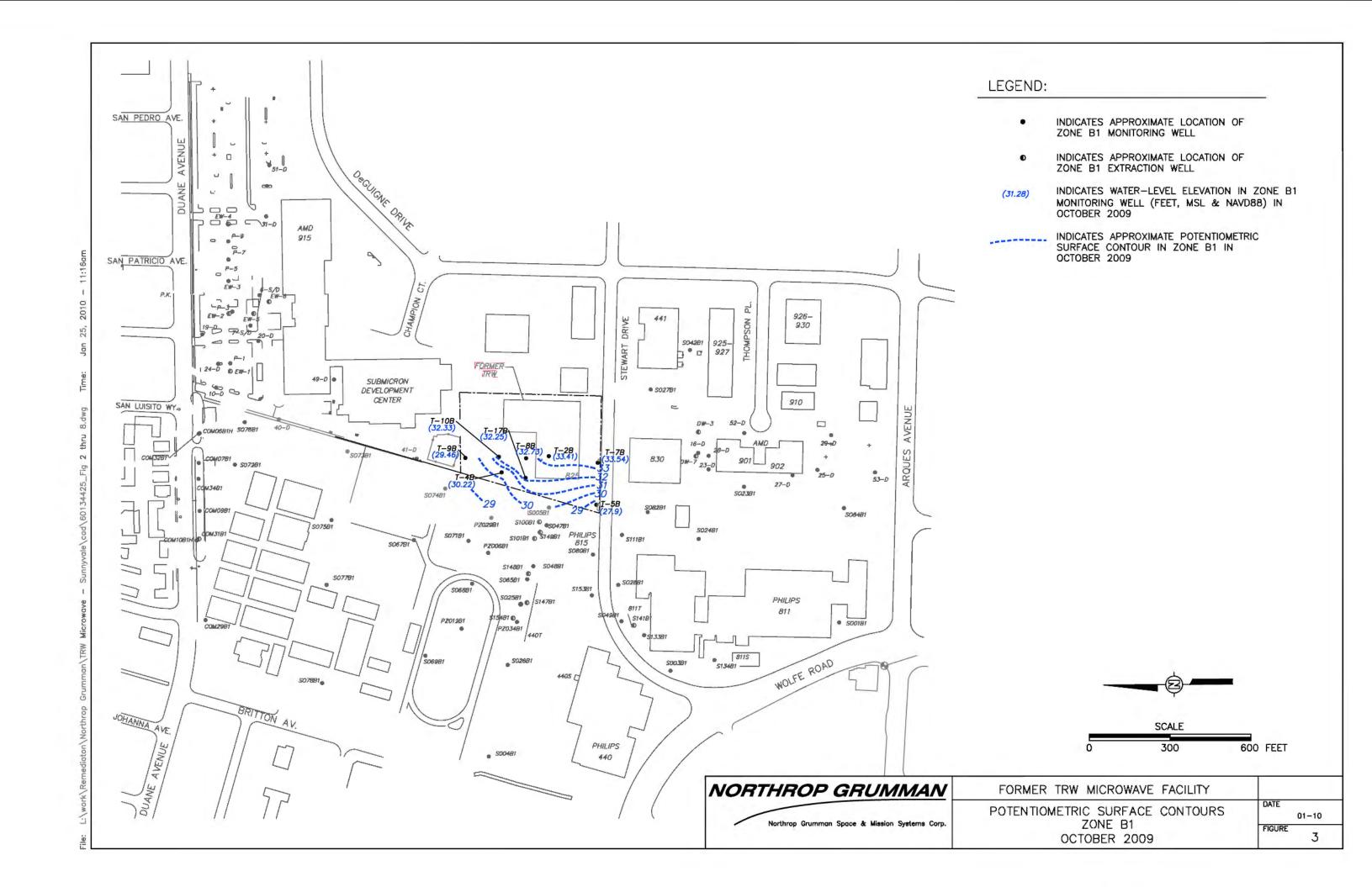
Notes:

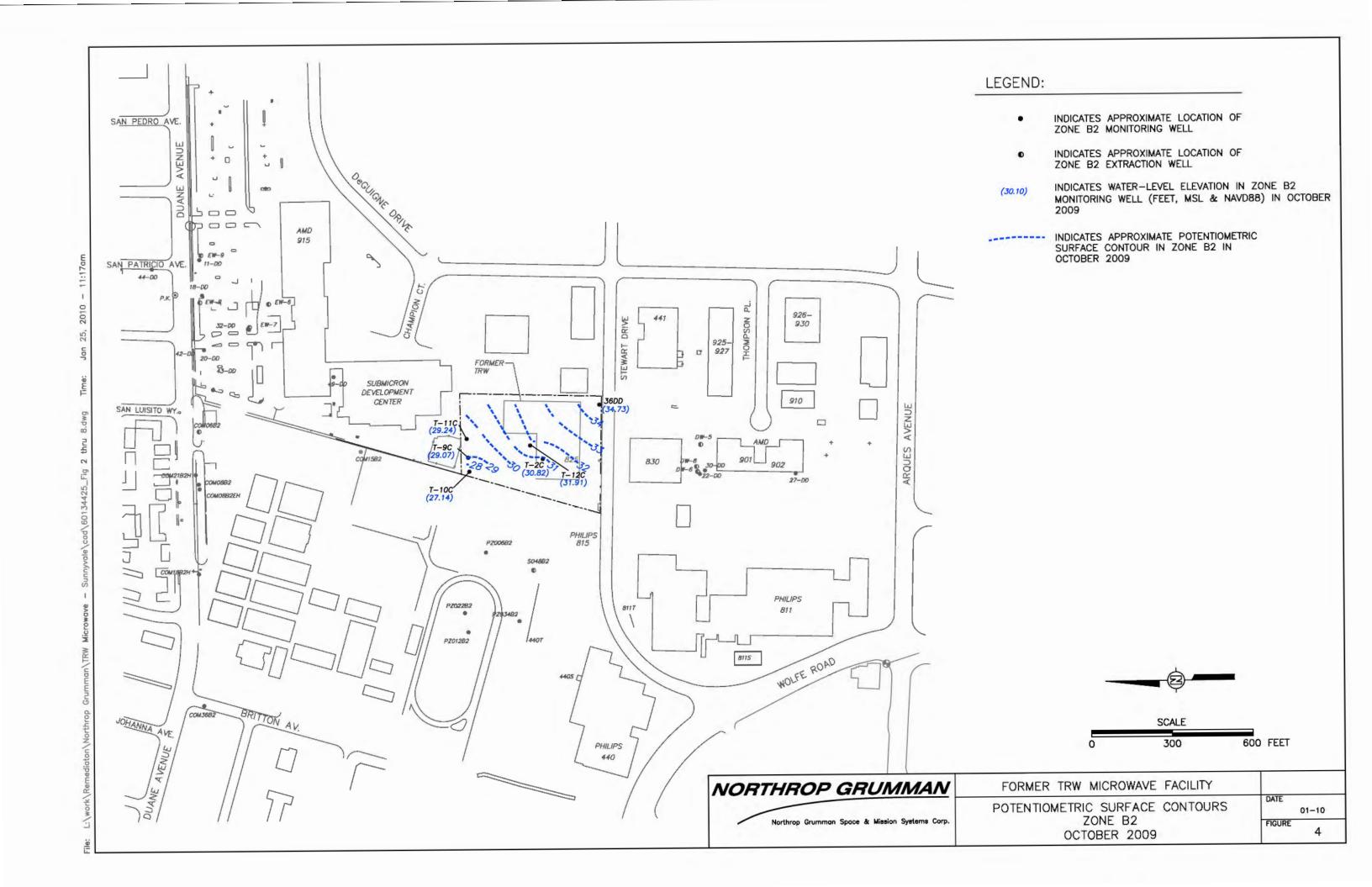
mg/L = milligram per liter

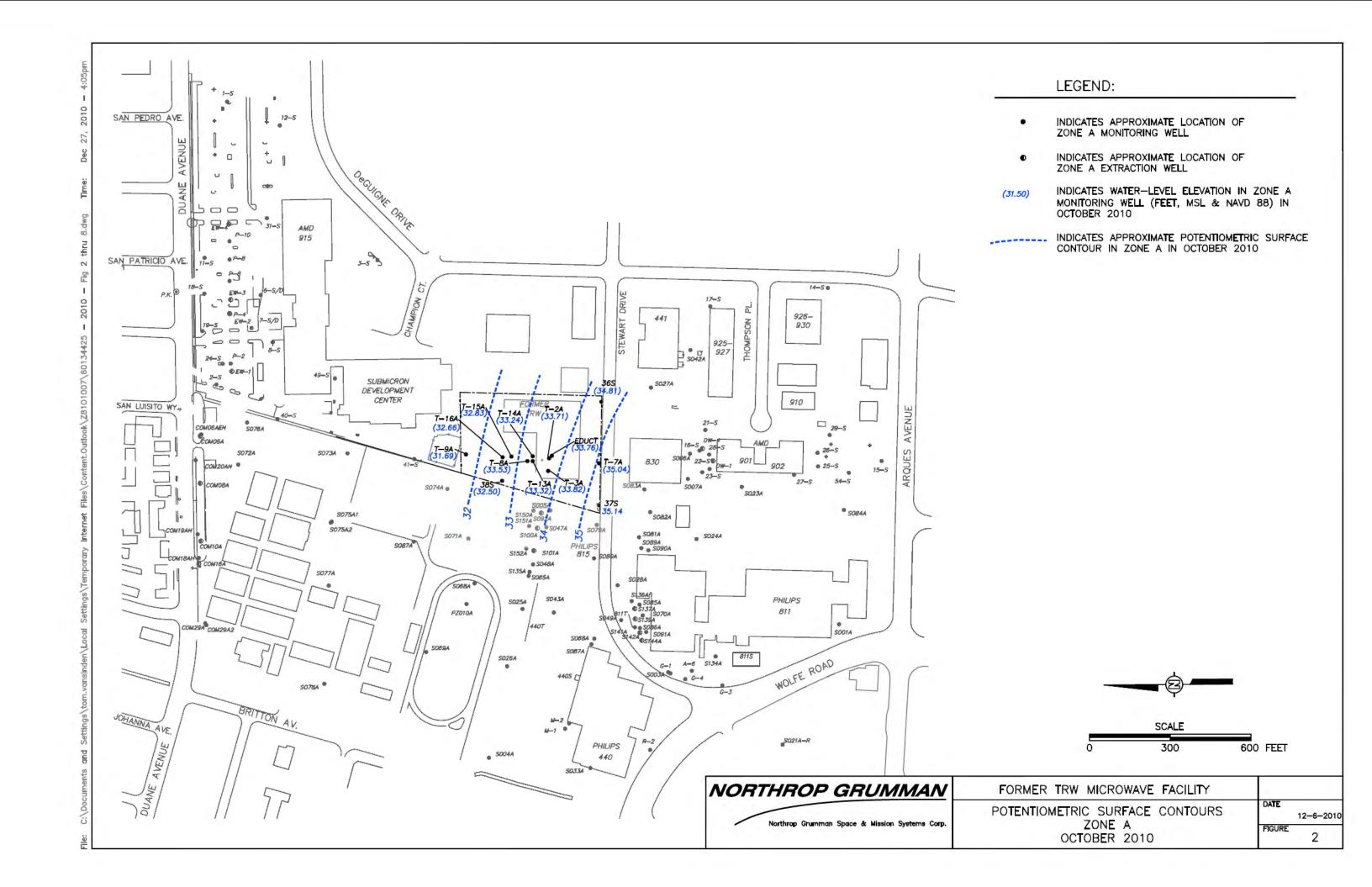
APPENDIX I

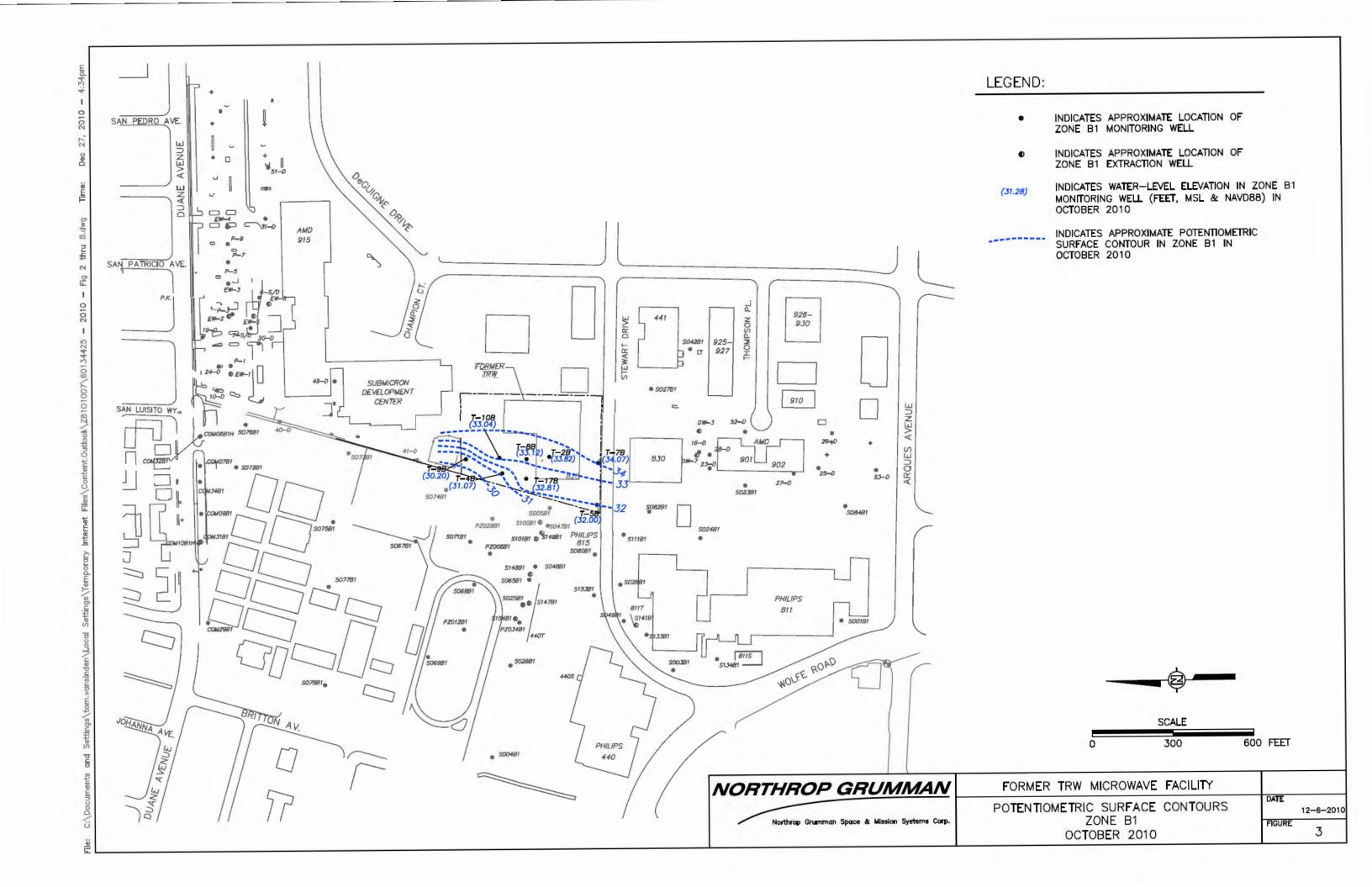
SELECTED POTENTIOMETRIC CONTOUR FIGURES

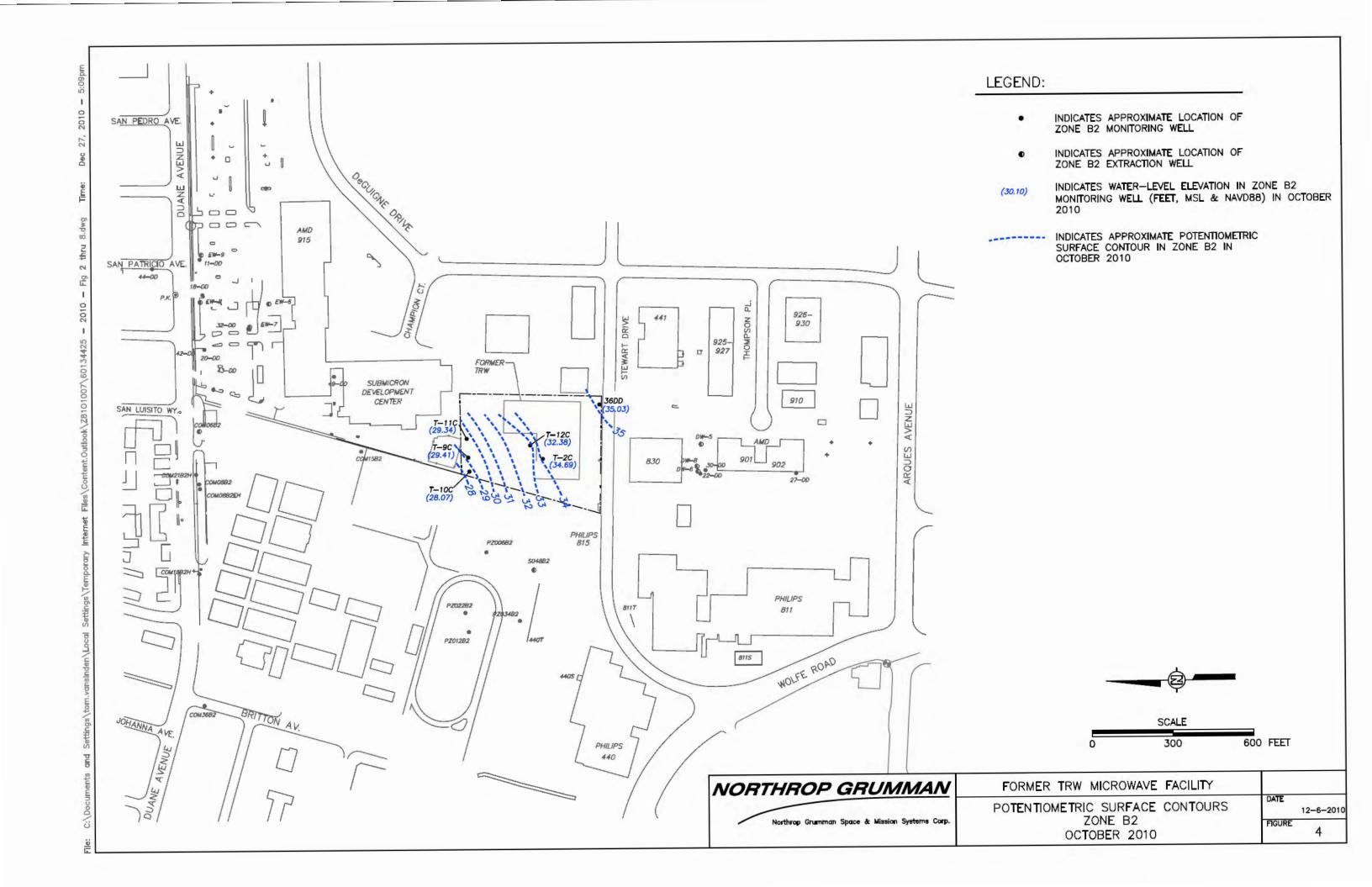


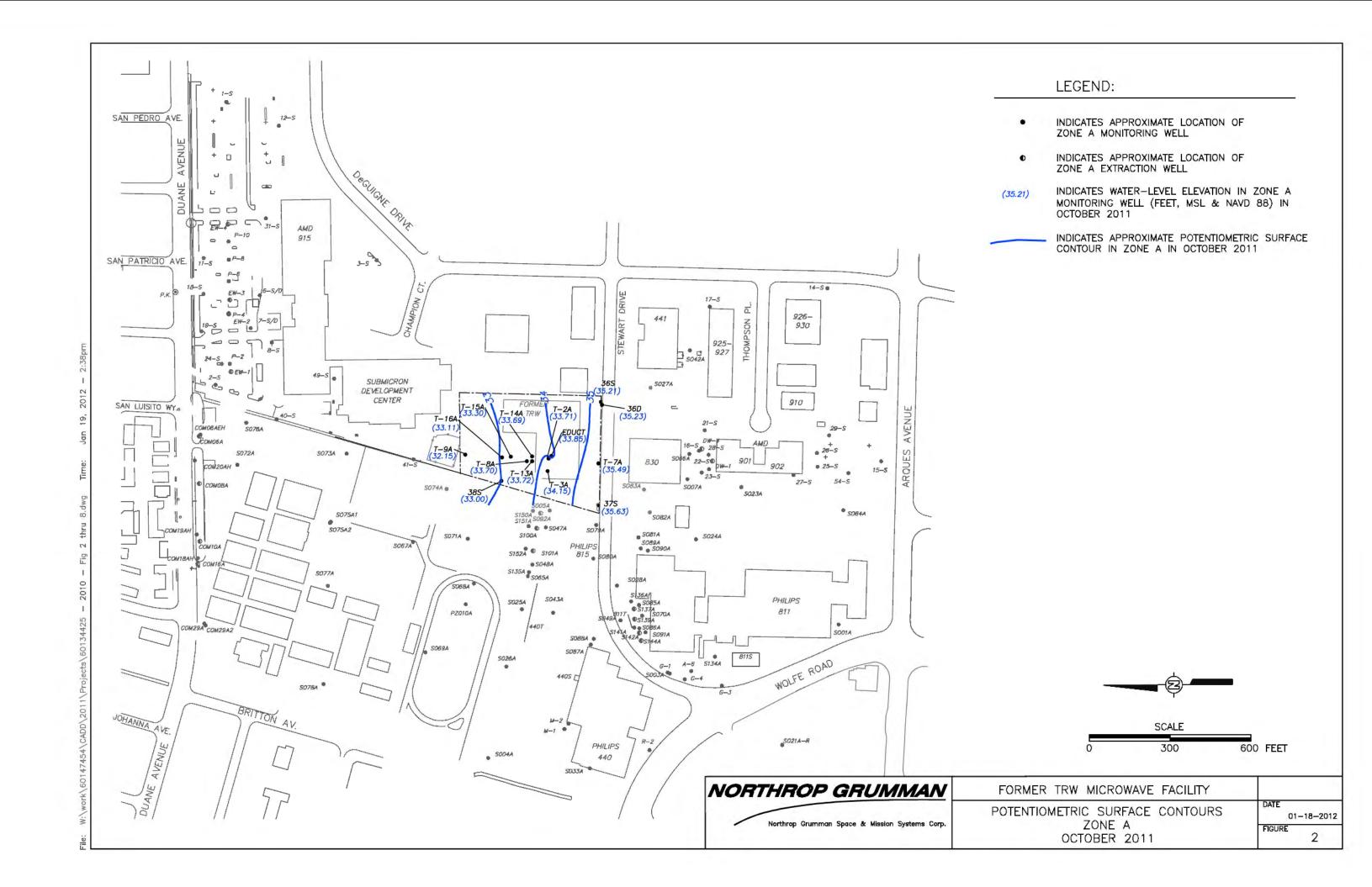


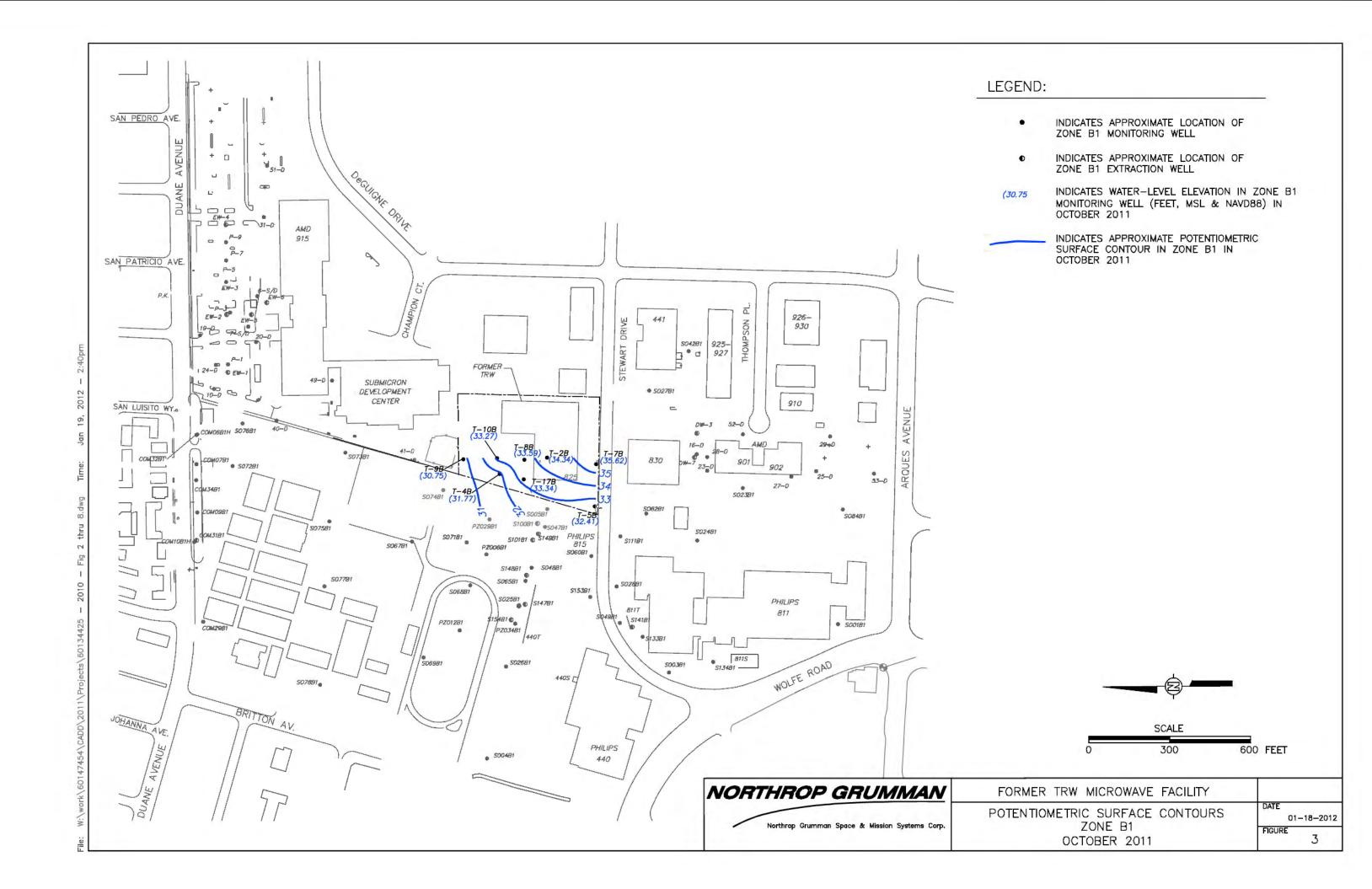


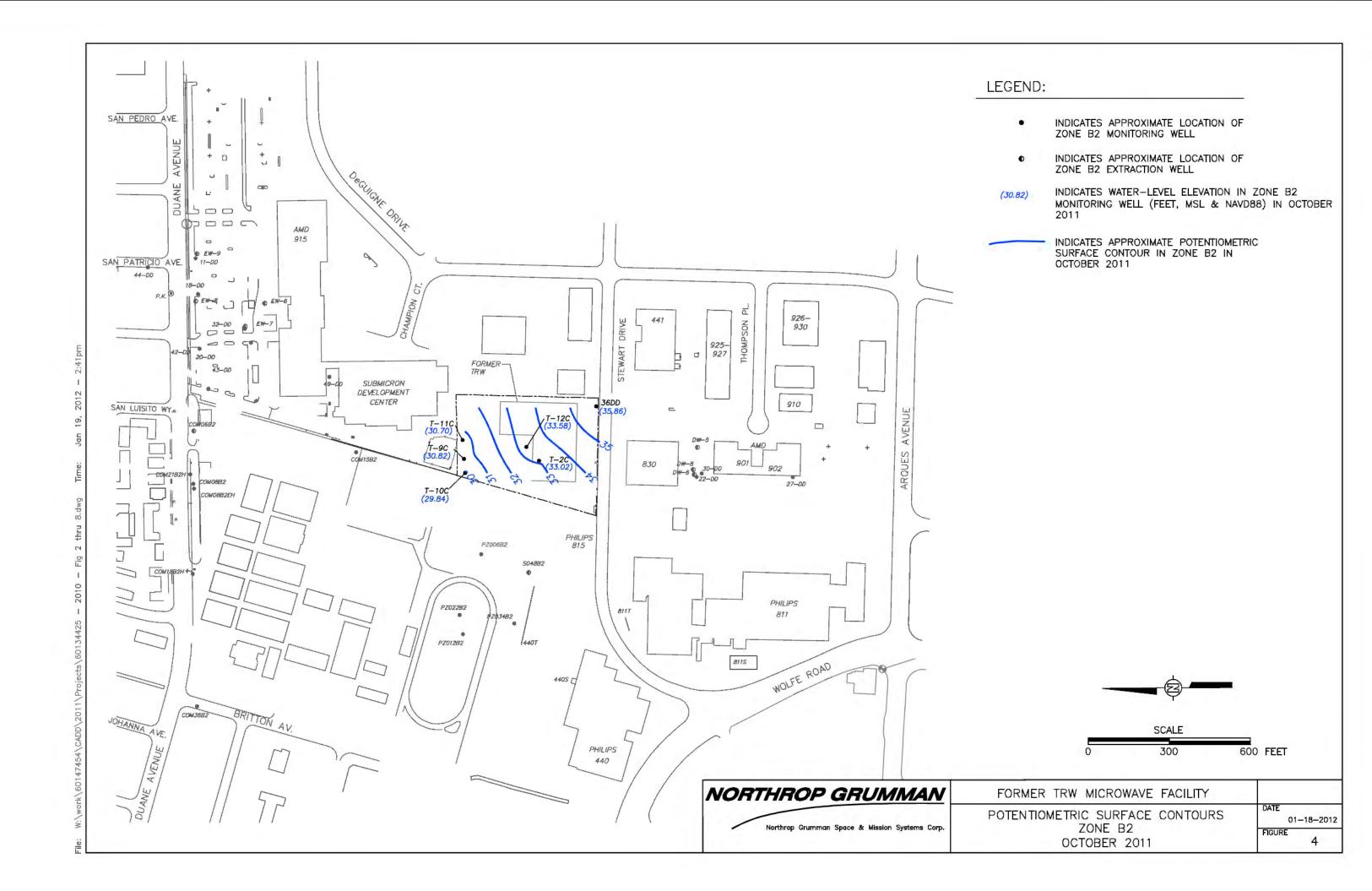


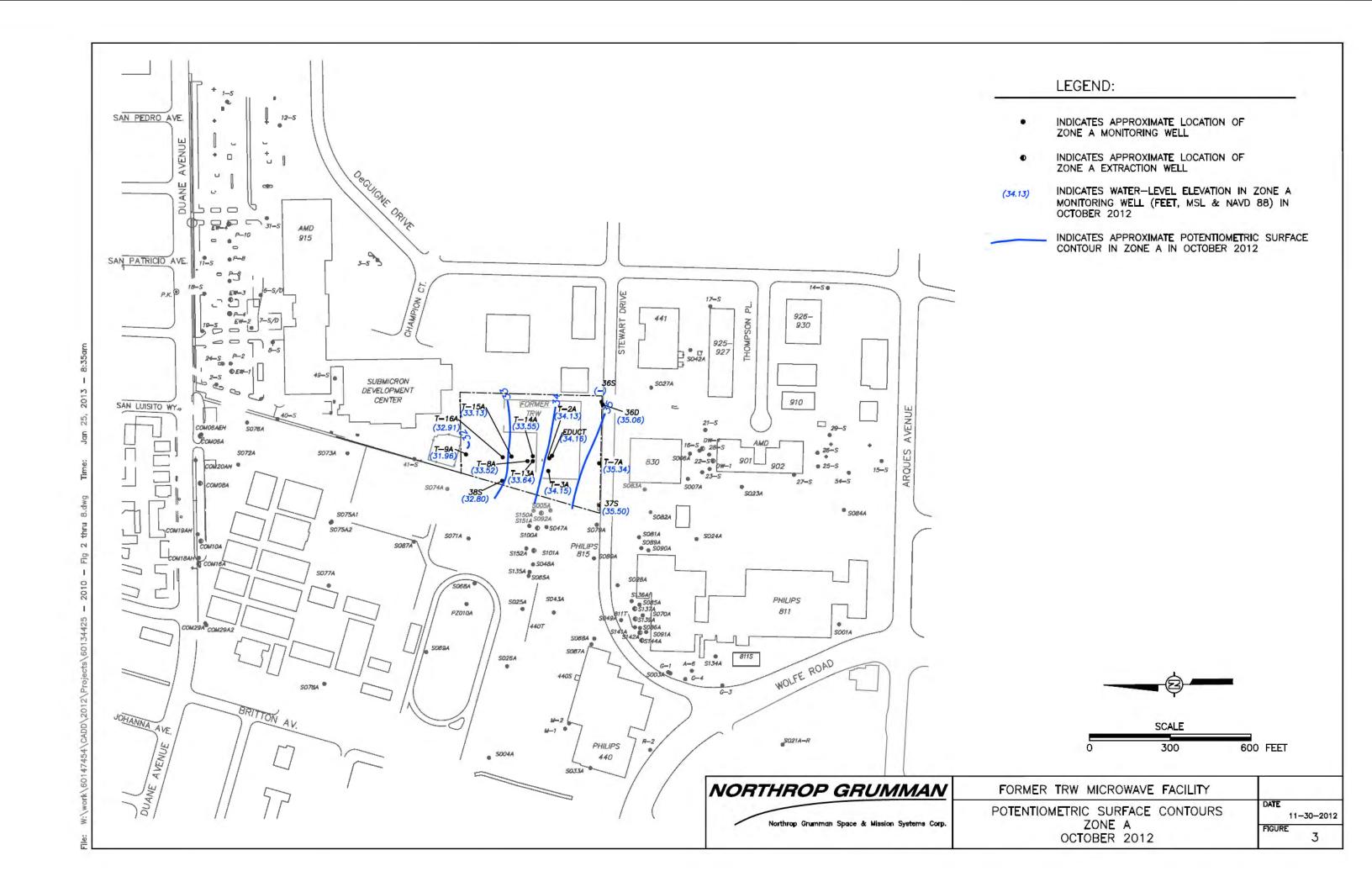


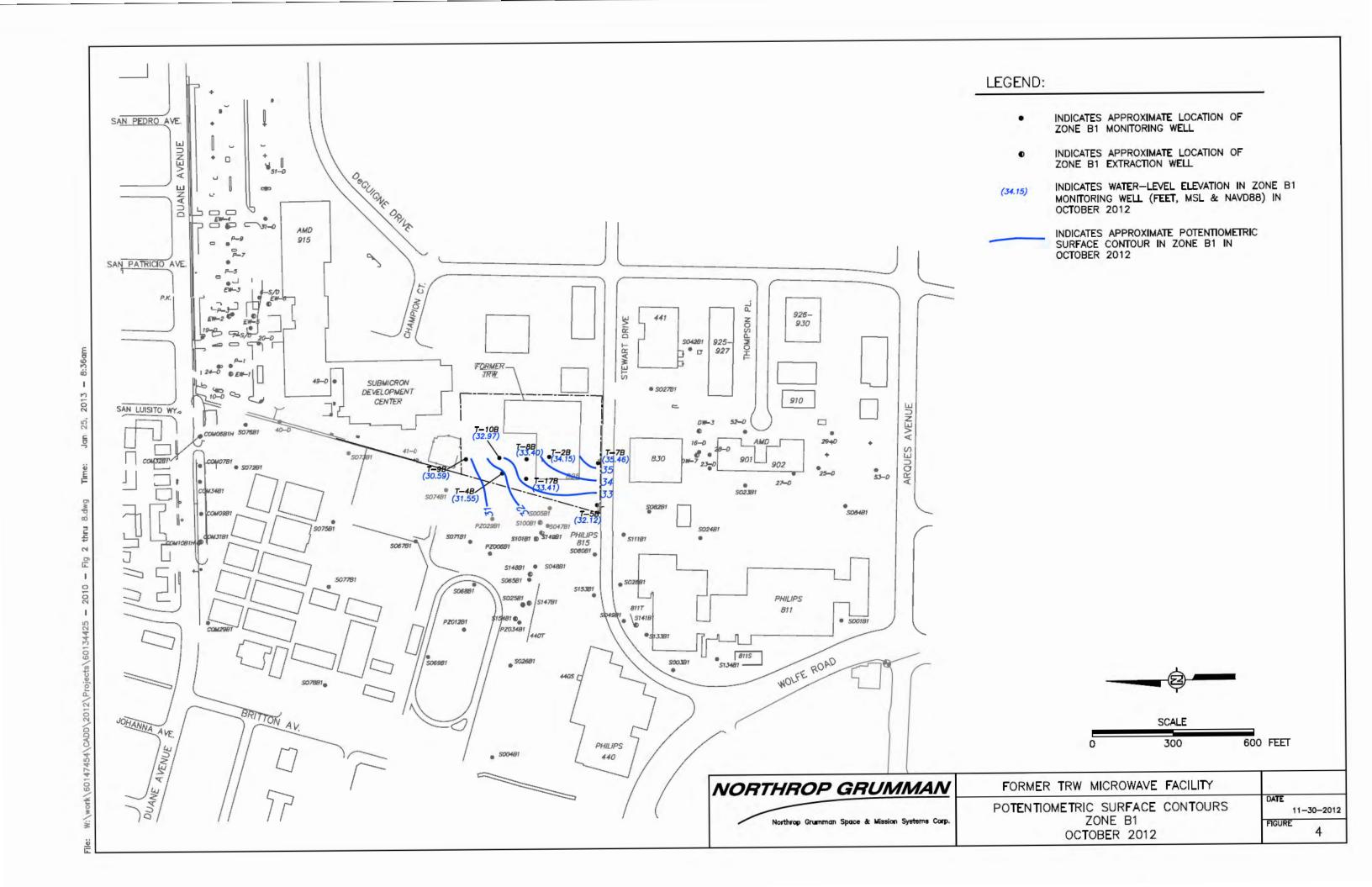


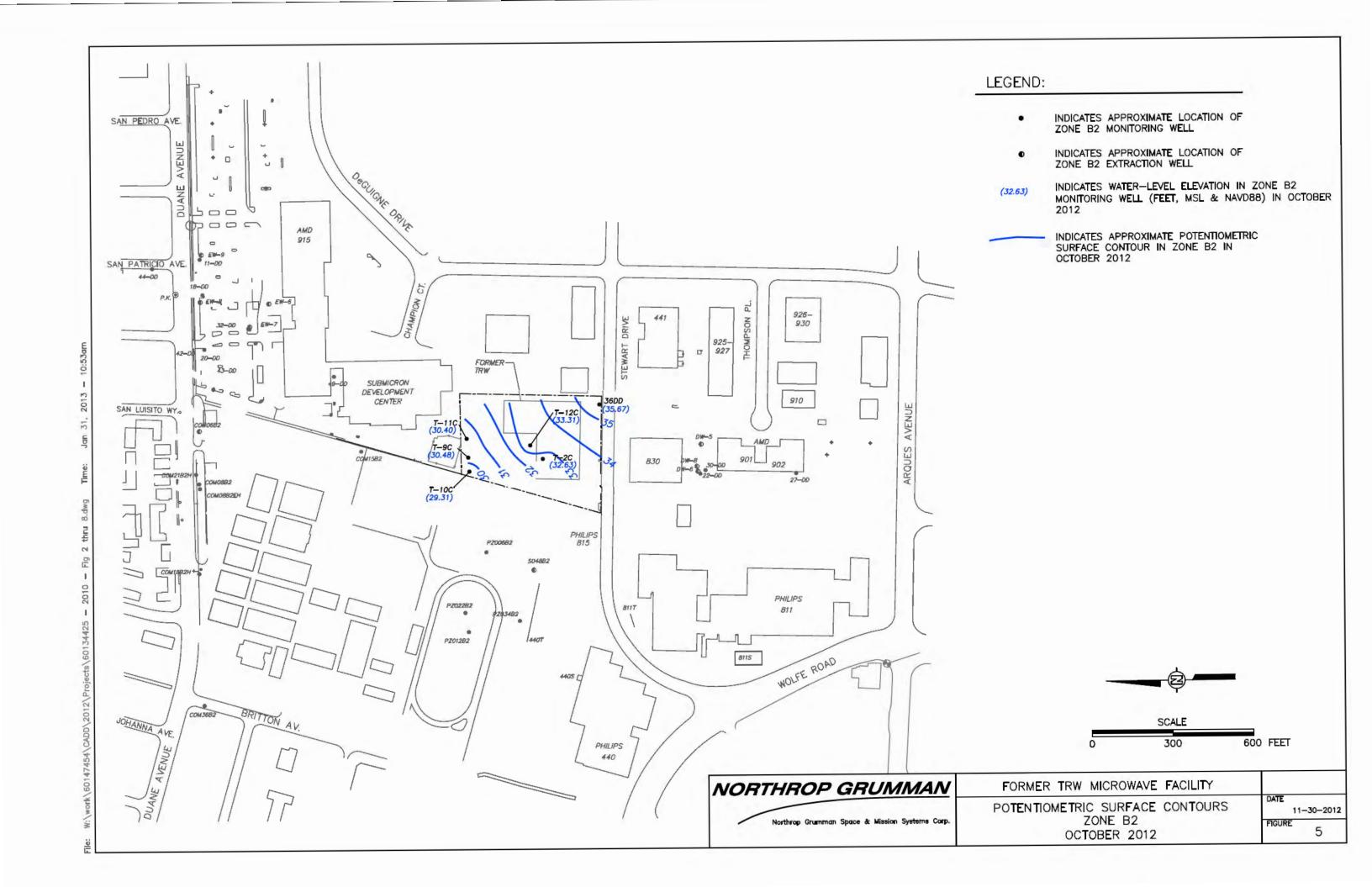












APPENDIX J

SUMMARY OF VOC CONCENTRATIONS IN PREVIOUS INDOOR AIR SAMPLING

Appendix J. PREVIOUS INDOOR AIR SAMPLING RESULTS FORMER TRW MICROWAVE FACILITY

(Page 1 of 2)

| Sample | | | Initial | Final | Reporting | | | | | | | | |
|----------|----------------------------|------------|-------------|-------------------|---------------|--|--|------------|----------|----------|------------|-----------|------------|
| Location | | | Pressure | Pressure | Limit | Freon 11 | Freon 12 | Freon 113 | PCE | TCE | VC | 1,1,1-TCA | Chloroform |
| ID | Purpose | Date | (inches Hg) | (inches Hg) | Multiplier | | | | | (µg/m³) | | | |
| II. la | | | | | October 30, 2 | 2003 sampli | ng event | - 54 | | | | | |
| AI-01 | Indoor Random | 10/30/2003 | -29.0 | -8.0 | 1.83 | 5.4 | 3.3 | 1.3 | 0.60 | 4.6 | 0.097 | 0.25 | 0.59 |
| AI-02 | Indoor Random | 10/30/2003 | -29.0 | -8.5 | 1.87 | 4.4 | 3.3 | 1.2 | 0.59 | 3.9 | 0.10 | 0.24 | 0.54 |
| AI-03 | Indoor Random | 10/30/2003 | -29.0 | -8.0 | 1.83 | 3.6 | 3.2 | 1.0 | 0.41 | 2.9 | 0.11 | 0.22 | 0.36 |
| AI-04 | Indoor Random | 10/30/2003 | -29.0 | -8.0 | 1.83 | 4.9 | 3.2 | 1.3 | 0.67 | 5.2 | 0.13 | 0.24 | 0.54 |
| AI-05 | Indoor Random | 10/30/2003 | -29.0 | -7.5 | 1.79 | 3.4 | 3.1 | 1.0 | 0.40 | 2.8 | 0.15 | 0.22 | 0.36 |
| AI-06 | Over Eductor Vault | 10/30/2003 | -29.0 | -7.5 | 1.79 | 4.3 | 3.1 | 1.1 | 0.45 | 3.5 | 0.13 | 0.22 | 0.42 |
| AI-06 | Over Eductor - Duplicate | 10/30/2003 | -29.0 | -9.0 | 1.91 | 4.1 | 3.3 | 1.2 | 0.46 | 3.4 | 0.16 | 0.23 | 0.43 |
| AA-01 | Outdoor Location | 10/30/2003 | -29.0 | -8.5 | 1.87 | 1.5 | 2.9 | 0.65 | ND <0.26 | ND <0.20 | ND <0.048 | ND <0.21 | ND <0.18 |
| | Trip Blank | | -29.0 | -29.0 | 1.00 | ND <0.11 | ND <0.10 | ND <0.16 | ND <0.14 | ND <0.11 | ND <0.026 | ND <0.11 | ND <0.099 |
| | | | | | April 5, 200 | 04 sampling | | | | | | | |
| AI-07 | Indoor Random | 4/5/2004 | -29.0 | -7.0 | 1.75 | 6.6 | 3.2 | 1.2 | 0.49 | 2.2 | ND <0.045 | 0.21 | ND <0.17 |
| AI-08 | Indoor Random | 4/5/2004 | -29.0 | -6.0 | 1.68 | 6.3 | 3.1 | 1.1 | 0.42 | 2.3 | ND <0.044 | 0.22 | ND <0.17 |
| AI-08 | Indoor Random - Duplicate | 4/5/2004 | -29.0 | - 6.0 | 1.68 | 6.2 | 3.0 | 1.1 | 0.38 | 2.2 | ND < 0.044 | 0.21 | ND <0.17 |
| AI-09 | Indoor Random | 4/5/2004 | -29.0 | <mark>-7.0</mark> | 1.75 | 4.6 | 3.4 | 1.2 | 0.42 | 2.5 | 0.067 | 0.23 | ND <0.17 |
| AI-10 | Over Eductor Vault | 4/5/2004 | -29.0 | -6.0 | 1.68 | 4.9 | 3.4 | 1.2 | 0.41 | 2.6 | 0.067 | 0.23 | 0.22 |
| AI-10 | Over Eductor - Duplicate | 4/5/2004 | -29.0 | -6.0 | 1.68 | 5.0 | 3.3 | 1.3 | 0.52 | 2.7 | 0.055 | 0.25 | 0.30 |
| AA-02 | Outdoor Location | 4/5/2004 | -29.0 | -6.0 | 1.68 | 1.8 | 3.2 | 0.88 | ND <0.23 | ND <0.18 | ND < 0.044 | ND <0.19 | ND <0.17 |
| - | Trip Blank | | -29.0 | -29.0 | 1.00 | ND <0.11 | ND <0.10 | ND <0.16 | ND <0.14 | ND <0.11 | ND <0.026 | ND < 0.11 | ND <0.099 |
| | | | | April 8, 2004 | sampling eve | ent - under t | temporary v | entilation | | | | | |
| AI-07 | Indoor Random | 4/8/2004 | -29.0 | -6.0 | 1.68 | 1.3 | 3.0 | 0.44 | 0.36 | ND <0.18 | ND <0.044 | ND <0.19 | ND <0.17 |
| 80-IA | Indoor Random | 4/8/2004 | -29.0 | -6.0 | 1.68 | 1.3 | 3.0 | 0.44 | 0.23 | ND <0.18 | ND <0.044 | ND <0.19 | ND <0.17 |
| 80-IA | Indoor Random - Duplicate | 4/8/2004 | -29.0 | -6.0 | 1.68 | 1.2 | 2.8 | 0.40 | ND <0.23 | ND <0.18 | ND < 0.044 | ND <0.19 | ND <0.17 |
| AI-09 | Indoor Random (see Note 1) | 4/8/2004 | -29.0 | -5.0 | 1.61 | - | - | - | - | - | - | _ | 3 - |
| AI-10 | Over Eductor Vault | 4/8/2004 | -29.0 | -6.5 | 1.71 | 1.3 | 2.8 | 0.42 | 0.24 | ND <0.19 | ND < 0.044 | ND <0.19 | ND <0.17 |
| AI-10 | Over Eductor - Duplicate | 4/8/2004 | -29.0 | -7.0 | 1.75 | 1.3 | 2.8 | 0.42 | 0.24 | ND <0.19 | ND < 0.045 | ND <0.19 | ND <0.17 |
| AA-03 | Outdoor Location | 4/8/2004 | -29.0 | -7.5 | 1.79 | 1.2 | 2.8 | 0.47 | 0.30 | ND <0.20 | ND <0.046 | ND <0.20 | ND <0.18 |
| | Trip Blank | | -29.0 | -29.0 | 1.00 | ND <0.11 | ND <0.10 | ND <0.16 | ND <0.14 | ND <0.11 | ND < 0.026 | ND <0.11 | ND <0.099 |
| | | | | | October 4, 20 | The second secon | The state of the s | | | | | | |
| AI-11 | Indoor Random | 10/4/2004 | -29.0 | -6.5 | 1.71 | 3.8 | 2.4 | 0.96 | 0.66 | 4.3 | ND <0.044 | 0.18J | 0.17 |
| Al-12 | Indoor Random | 10/4/2004 | -29.0 | -6.5 | 1.71 | 5.4 | 2.5 | 1.0 | 0.73 | 5.1 | ND <0.044 | 0.19 | 0.17 |
| AI-13 | Indoor Random | 10/4/2004 | -29.0 | -5.5 | 1.64 | 7.0 | 2.5 | 1.0 | 0.65 | 4.5 | ND <0.042 | 0.19 | 0.18 |
| AA-04 | Outdoor Location | 10/4/2004 | -29.0 | -6.5 | 1.71 | 1.1 | 2.4 | 0.60 | ND<0.23 | ND<0.18 | ND <0.044 | ND<0.19 | ND <0.17 |
| 222 | Trip Blank | | -29.0 | -29.0 | 1.00 | ND <0.11 | ND <0.099 | ND <0.15 | ND <0.14 | ND <0.11 | ND <0.026 | ND <0.11 | ND <0.098 |

Appendix J. PREVIOUS INDOOR AIR SAMPLING RESULTS FORMER TRW MICROWAVE FACILITY

(Page 2 of 2)

| Sample Location | | | Initial Pressure | Final Pressure | Reporting Limit | Freon 11 | Freon 12 | Freon 113 | PCE | TCE | vc | 1,1,1-TCA | Chloroform |
|--|---------|------|---------------------|-------------------|--------------------|----------|----------|-----------|-----------|---------|-------------|-----------|-------------|
| ID | Purpose | Date | (inches Hg) | (inches Hg) | Multiplier | | | | | (µg/m³) | | | |
| Threshold Levels USEPA Region 9 Screening Levels - Industrial Exposure (November 2013) Environmental Screening Levels (RWQCB 2013) | | | | | | 3,100 | 440 - | 130,000 | 47 2.1 | 3 | 2.8 0.16 | 22,000 | 0.53 2.3 |

Notes:

Sampling locations are shown on Figure 3.

Only detections are summarized in this table. Table includes comparison to industrial air USEPA Region 9 Screening Levels current as of February 2014 (USEPA 2013a). = Value above one or more screening levels.

(1) Results from the 4/8/04 sample not deemed to be representative of indoor air conditions and are not included in the table. PCE was detected at 2.5 μg/m³ in this sample, which is significantly higher than PCE concentrations detected in other samples from that day or previous/subsequent sampling events.

-- not established

μg/m³ micrograms per cubic meter

ND<0.20 non detect less than stated reporting limit (e.g. 0.20)

1,1,1-TCA 1,1,1-trichloroethane
Freon 11 trichlorofluoromethane
Freon 12 dichlorodifluoromethane

Freon 113 1,1,2-trichloro-1,2,2-trifluoroethane

inches Hg inches mercury PCE tetrachloroethene

RWQCB Regional Water Quality Control Board

TCE trichloroethene

USEPA United States Environmental Protection Agency

VC vinyl chloride

APPENDIX K

PHOTOGRAPHS OF INJECTION ACTIVITIES

- K.1 Source Area EAB Injection
- K.2 Downgradient EAB Injection

APPENDIX K Photos from TRW Microwave Facility EOS® Injection October 2010





Poly storage tank used for extracted groundwater prior to reinjection



Adding fluorescein dye to the injection line



Combining EOS® and EOS® Activator



Dosatron used to meter EOS ®into extracted groundwater



EOS and fluorescein in groundwater after injection

APPENDIX K Photos from TRW Microwave Facility Neat Vegetable Oil Injection November 2010

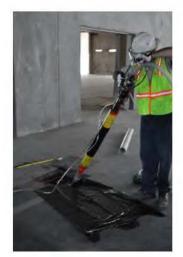


Poly drum used to store extracted groundwater





Neat vegetable oil and sodium bicarbonate



Packer being lowered into Eductor



Vironex injection rig



Mixing tank and injection manifold

APPENDIX K Photos from TRW Microwave Facility ABC+® Injection November 2011



ABC® Tote and transfer pump



Mix tank for ABC® and potable water



Adding ZVI to ChemGrout mixer



Mixing guar with potable water



ABC+® in the ChemGrout prior to injection



Injection of ABC+® through direct push drill rods

APPENDIX K Photos from TRW Microwave Facility EHC-L® Injection November 2011



EHC-L® drum label



EHC-L® Mix



EHC-L®



Injection line at Well T-23A



EHC-L® mix tank and diaphragm pump used for injection